

Lake Cumberland Area Occupational Outlook to 2014



Adair
Casey
Clinton
Cumberland
Green
McCreary
Pulaski
Russell

Taylor
Wayne



Education Cabinet
Department for Workforce Investment
Office of Employment and Training



Lake Cumberland Area Occupational Outlook to 2014

**Ernie Fletcher
Governor**

**Laura E. Owens, Secretary
Kentucky Education Cabinet**

**Beth Smith, Commissioner
Department for Workforce Investment**

**Andrew J. Frauenthoffer, Executive Director
Office of Employment and Training**

**A LABOR MARKET INFORMATION PUBLICATION BY:
RESEARCH AND STATISTICS BRANCH**

Lelia Todd, Manager

**Barrett Ross,
Labor Market Analyst**

September 2007

EQUAL OPPORTUNITY EMPLOYER/PROGRAM

AUXILIARY AIDS AND SERVICES ARE AVAILABLE UPON REQUEST TO INDIVIDUALS WITH DISABILITIES

PRINTED WITH FEDERAL FUNDS

PREFACE

The information and projections contained in this publication are based on a broad range of labor market information and statistics that are collected and analyzed by the staff of the Labor Market Information (LMI) section.

The Occupational Employment Statistics (OES) survey of approximately 20,000 Kentucky employers provided the occupational employment data used in the study. The data obtained from the Current Employment Statistics (CES) and the Quarterly Census of Employment and Wages (QCEW) programs were used to project industries to the year 2014. Staff utilized data from all programs to project the 2014 occupational outlook publications for each of the ADDs below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyrile Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The U.S. Department of Labor (USDOL), Employment and Training Administration (ETA) provided funding for the publication and projections. The national industry and occupational projections developed by the U. S. Department of Labor, Bureau of Labor Statistics (BLS), were used in conjunction with state and regional trends to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis, provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the projections. Special thanks to Kentucky employers who completed the questionnaires that provide the employment information necessary to complete this project.

Questions, comments, or copies:

Barrett Ross
Office of Employment and Training
Research and Statistics Branch
Human Resources Building, 2nd Floor West
275 East Main Street
Frankfort, Kentucky 40621
800-542-8840
502-564-7976
Fax: 502-564-2937
BarrettM.Ross@ky.gov

Material in this publication is in the public domain and with appropriate credit may be reproduced without permission. Please reference: "Kentucky Department for Workforce Investment, Labor Market Information."

TABLE OF CONTENTS

	PAGE
PREFACE	1
INTRODUCTION	3
HIGHLIGHTS	4
A USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS	5
MOST ANNUAL JOB OPENINGS IN AREA	6
FASTEST GROWING AREA OCCUPATIONS	8
EXPLANATION OF DATA ELEMENTS ON THE OCCUPATIONAL OUTLOOK TABLE	10
AREA EMPLOYMENT OUTLOOK AND JOB OPENINGS TABLE	11
EDUCATION AND TRAINING CLASSIFICATION	49
ALPHABETICAL INDEX OF OCCUPATIONS	50

INTRODUCTION

Lake Cumberland Area

Which jobs will be in demand? Which occupations will provide the largest number of job openings? Which are likely to grow or decline? The *Lake Cumberland Area Occupational Outlook to 2014* offers answers and insight regarding these often-asked questions. Students, job seekers, counselors, and others will find this information beneficial.

Tables listing the 45 occupations with the largest number of annual job openings and the fastest-growing occupations are included. They also provide occupational employment projections, the number and percentage of expected change, and the average number of annual job openings for the period 2004 to 2014.

Please note that the estimates and projections are subject to limitations that are a part of any effort to determine future conditions. Long-term job trends offer insight into the occupational growth or decline in the area. The projections are carefully prepared using accepted methods within a framework of national, state and area assumptions. However, they will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2004 through 2014. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

The development and utilization of our human resources is always a priority for those concerned with employment training. It is crucial that education and training planners, business, labor, government, and job seekers have the necessary occupational information to aid them in the development of education and training programs. This publication was intended to assist in these efforts.

NOTE: Prior to 2000, the Occupational Employment Statistics (OES) codes were used to classify occupations. The 2004-2014 projections use the Standard Occupational Classification (SOC) system. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different from those used before 2000. Several major groups have been renamed, combined, or reorganized. Some individual occupations have been renamed, reclassified, or are no longer listed. Many newer occupations may be listed for the first time. Because of these changes, the 2004-2014 projections are not comparable to those completed before 2000. Information on the SOC system is available on the U.S. Bureau of Labor Statistics SOC Home Page <http://www.bls.gov/soc/home.htm>.

LAKE CUMBERLAND HIGHLIGHTS 2004-2014

- ✓ Employment is projected to grow from 80,133 to 89,283, a gain of 11.4 percent.
- ✓ Total annual job openings are expected to be about 2,997.
- ✓ Growth in employment will create about 1,091 job openings annually.
- ✓ Approximately 1,906 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Thirty-six percent of job openings will result from growth; the remaining 64 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be in Sales and Related Occupations (368), followed by Production Occupations (360), and Office and Administrative Support Occupations (322).
- ✓ Occupations with the largest percentage change are Computer Software Engineers (65.6%), Network Systems and Data Communications Analysts (62.1%), Network and Computer Systems Administrators (47.8%) and Home Health Aides (44.3%).
- ✓ The largest growth rates are likely to be in Computer Specialists Occupations (40.4%), Occupational and Physical Therapists Assistants and Aides Occupations (32.1%), and Postsecondary Teacher Occupations (30.0%).
- ✓ The two occupations with the largest number of annual job openings are Cashiers (124) and Retail Salespersons (116).

USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?	1) Total average annual job openings and 2) employment change expressed as a percentage. The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.
What creates job openings?	1) Employment growth (new jobs), 2) employment separations (job vacancies created by persons separating from an occupation).
What causes employment change?	<i>Industrial growth or decline</i> has the greatest influence. This occurs when the demand for goods and services rises, thus the demand for workers increases. <i>Technological change</i> may raise the demand for some skills while eliminating the demand for others. <i>Self-service, out-sourcing, or 24 hour operations</i> can also affect employment change.
What about employment separations?	Employment separations are still important when evaluating the potential outlook for an occupation. Job openings are created when employees separate from occupations because of retirements, promotions, career changes, death, etc. The number of separations can exceed new jobs.
Do workers tend to leave one occupation more than other occupations?	Every occupation has a different rate of employment separations. Occupations requiring more education and training and/or having a high percentage of full time workers tend to have low separation rates. Those requiring little education and/or training tend to have higher separation rates.
What factors affect the number of job openings for an occupation?	1) The number of workers who are currently employed, 2) the number of job vacancies created by worker separation, and 3) the rate of change, i.e., how fast the occupation is growing or declining.
Which factor is more important?	The size of employment and separation rate is more important than rate of change.
What is the best way to compare one occupation with another?	Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicates it should be relatively easy to find a job in that occupation. Also, consider the rate of employment change. A high percentage increase denotes there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

Top 45
Lake Cumberland Area Occupations With The Most Annual Job Openings

Occupation Code	Occupational Title	Job Openings		
		Growth	Separations	Total
Average Annual 2004-2014				
<u>Management Occupations</u>				
11-1021	General & Operations Mgrs.	12	15	27
11-1011	Chief Executives	9	8	17
<u>Education, Training and Library Occupations</u>				
25-2021	Elem. School Teachers, Ex. Special Education	15	21	36
25-9041	Teacher Assistants	18	18	36
25-3099	Teachers & Instructors, All Other	23	10	33
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed.	6	14	20
<u>Healthcare Practitioners and Technical Occupations</u>				
29-1111	Registered Nurses	40	29	69
29-2061	Licensed Practical & Licensed Voc. Nurses	7	12	19
<u>Healthcare Support Occupations</u>				
31-1012	Nursing Aides, Orderlies & Attendants	25	18	43
31-1011	Home Health Aides	14	4	18
<u>Food Preparation and Serving Related Occupations</u>				
35-3021	Combined Food Prep. & Serving Workers	23	64	87
35-3031	Waiters & Waitresses	11	43	54
35-2011	Cooks, Fast Food	9	19	28
35-2012	Cooks, Institution & Cafeteria	4	19	23
35-1012	Mgrs. of Food Preparation & Serving Workers	8	11	19
<u>Building and Grounds Cleaning and Maintenance Occupations</u>				
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	24	21	45
37-2012	Maids & Housekeeping Cleaners	9	13	22
37-3011	Landscaping & Groundskeeping Workers	8	13	21
<u>Personal Care and Service Occupations</u>				
39-9011	Child Care Workers	30	29	59
<u>Sales and Related Occupations</u>				
41-2011	Cashiers	8	116	124
41-2031	Retail Salespersons	32	84	116
41-1011	Mgrs. of Retail Sales Workers	17	31	48
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	7	12	19

Top 45
Lake Cumberland Area Occupations With The Most Annual Job Openings

Occupation Code	Occupational Title	Job Openings		
		Growth	Separations	Total
Average Annual 2004-2014				
<u>Office and Administrative Support Occupations</u>				
43-5081	Stock Clerks & Order Fillers	1	35	36
43-4171	Receptionists & Information Clerks	9	16	25
43-9061	Office Clerks, General	4	19	23
43-1011	Mgrs. of Office & Admin. Support Workers	5	16	21
43-3031	Bookkeeping, Accounting & Auditing Clerks	4	17	21
43-3071	Tellers	4	17	21
43-4051	Customer Service Representatives	10	8	18
43-6011	Executive Secretaries & Admin. Assistants	6	12	18
<u>Farming, Fishing, and Forestry Occupations</u>				
45-2092	Farmworkers & Laborers, Crop, Nursery	0	36	36
<u>Constructing and Extraction Occupations</u>				
47-2031	Carpenters	27	19	46
47-2073	Operating Engineers & Other Constr. Equip. Ops.	9	17	26
<u>Installation, Maintenance and Repair Occupations</u>				
49-9042	Maintenance & Repair Workers, General	12	16	28
<u>Production Occupations</u>				
51-2092	Team Assemblers	23	29	52
51-7042	Woodworking Machine SOT	9	26	35
51-9198	Helpers--Production Workers	12	20	32
51-4121	Welders, Cutters, Solderers & Brazers	9	18	27
51-1011	Mgrs. of Production & Operating	7	15	22
<u>Transportation and Material Moving Occupations</u>				
53-3032	Truck Drivers, Heavy & Tractor-Trailer	43	34	77
53-7062	Laborer & Freight, Stock & Material Mover, Hand	10	49	59
53-3033	Truck Drivers, Light or Delivery Services	19	8	27
53-7051	Industrial Truck & Tractor Operators	9	12	21
53-3022	Bus Drivers, School	8	10	18

**Top 45
Fastest Growing Lake Cumberland Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2004	Projected 2014	2004-2014 Number	Percent	Average Annual 2004-2014
<u>Management Occupations</u>						
11-3021	Computer & Information Systems Mgrs.	67	90	23	34.3	4
11-9031	Education Admin., Pre., Child Care Center	50	65	15	30.0	3
11-9021	Construction Mgrs.	157	196	39	24.8	7
11-3071	Transportation, Storage & Distribution Mgrs.	37	46	9	24.3	2
11-3011	Administrative Services Mgrs.	46	57	11	23.9	2
<u>Business and Financial Operations Occupations</u>						
13-1079	HR, Training & Labor Relations Spec.	41	57	16	39.0	3
13-1111	Management Analysts	86	114	28	32.6	4
<u>Computer and Mathematical Occupations</u>						
15-1031	Computer Software Engineers, Applications	64	106	42	65.6	5
15-1081	Network Systems & Data Comm. Analysts	66	107	41	62.1	5
15-1071	Network & Computer Systems Admin.	92	136	44	47.8	5
15-1051	Computer Systems Analysts	57	78	21	36.8	3
15-1041	Computer Support Spec.	157	209	52	33.1	6
<u>Architecture and Engineering Occupations</u>						
17-3026	Industrial Engineering Technicians	23	31	8	34.8	2
17-2112	Industrial Engineers	65	81	16	24.6	4
<u>Life, Physical, and Social Science Occupations</u>						
19-3031	Clinical, Counseling & School Psychologists	86	110	24	27.9	4
<u>Community and Social Service Occupations</u>						
21-1093	Social & Human Service Assistants	212	278	66	31.1	11
21-1022	Medical & Public Health Social Workers	71	90	19	26.8	3
<u>Education, Training and Library Occupations</u>						
25-2011	Preschool Teachers, Ex. Special Education	335	454	119	35.5	16
25-1199	Post. Teachers, All Other	134	175	41	30.6	7
25-3099	Teachers & Instructors, All Other	769	1,001	232	30.2	33
25-9031	Instructional Coordinators	50	64	14	28.0	2
25-1194	Vocational Education Teachers, Post.	85	108	23	27.1	4
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	153	194	41	26.8	8
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	81	101	20	24.7	3

**Top 45
Fastest Growing Lake Cumberland Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment Actual 2004	Projected 2014	Change 2004-2014 Number Percent		Job Openings Average Annual 2004-2014
<u>Healthcare Practitioners and Technical Occupations</u>						
29-1071	Physician Assistants	33	46	13	39.4	2
29-1122	Occupational Therapists	42	55	13	31.0	2
29-1111	Registered Nurses	1,395	1,798	403	28.9	69
29-2041	EMTs & Paramedics	178	228	50	28.1	7
29-2055	Surgical Technologists	65	82	17	26.2	3
29-2021	Dental Hygienists	69	87	18	26.1	3
29-2031	Cardiovascular Technologists & Technicians	39	49	10	25.6	2
29-1126	Respiratory Therapists	75	94	19	25.3	5
<u>Healthcare Support Occupations</u>						
31-1011	Home Health Aides	318	459	141	44.3	18
31-9092	Medical Assistants	279	385	106	38.0	16
31-2021	Physical Therapist Assistants	41	55	14	34.1	2
31-9091	Dental Assistants	155	197	42	27.1	8
<u>Protective Service Occupations</u>						
33-2011	Fire Fighters	39	51	12	30.8	2
<u>Building and Grounds Cleaning and Maintenance Occupations</u>						
37-1012	Mgrs. of Landscaping, Lawn Service	88	116	28	31.8	4
<u>Personal Care and Service Occupations</u>						
39-9011	Child Care Workers	1,068	1,369	301	28.2	59
39-1021	Mgrs. of Personal Service Workers	103	131	28	27.2	6
<u>Office and Administrative Support Occupations</u>						
43-3011	Bill & Account Collectors	213	270	57	26.8	10
<u>Farming, Fishing, and Forestry Occupations</u>						
45-4023	Log Graders & Scalers	47	63	16	34.0	3
<u>Constructing and Extraction Occupations</u>						
47-4051	Highway Maintenance Workers	221	274	53	24.0	8
<u>Installation, Maintenance and Repair Occupations</u>						
49-3053	Outdoor Power Equip. & Small Eng. Mechanic	40	51	11	27.5	2
<u>Production Occupations</u>						
51-9191	Cementing & Gluing Machine Ops. & Tenders	84	104	20	23.8	4

Explanation of Data Elements in the Occupational Outlook Table

Occupational Employment Outlook

Occupational		Employment 2004 2014		Job Growth 2004 2014		Average Annual Job Openings			Average Wage	Education/ Training Required
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	
Occupational Codes & Titles used in this report are based on the Standard Occupational Coding (SOC) structure. NOTE: Alphabetical listing beginning on page 64 will help locate a specific occupation within the tables.		Estimated 2004 employment is based on the Occupational Employment Statistics (OES) Survey of employers. Projected 2014 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2004 and 2014. NOTE: The occupational employment estimates for 2004 to 2014 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.		Number The total number of jobs in an occupation gained or lost over the 2004 to 2014 period. Percent Percent change in employment in an occupation over the 10 year period. NOTE: In Kentucky, the average growth for all occupations is projected to be 12.2 percent between 2004-2014. The growth of an occupation is classified as one of the following based on its percent change: 1) Declining (< 0%) 2) Stable (0% - 6.99%) 3) Growing (7% - 16.99%) 4) Fast Growing (17% - 23.99%) 5) Very Fast Growing (> 24%)		Growth Provides estimates of the average number of job openings expected to occur each year between 2004 and 2014. Separations Provides estimates of the average number of job openings expected to occur each year in an occupation from workers separating or leaving for reasons such as retirement, promotion, or simply transferring among occupations. These separations would require replacement workers. Total The sum of openings due to growth and openings due to separations for an occupation. NOTE: If employment growth is negative, the total number of job openings will equal the number of separations.			Average Wage in this report always refers to the 2005 mean hourly wage.	Education and/or Training Levels Required are developed by the Bureau of Labor Statistics and group occupations into eleven categories (1-11). NOTE: The various categories are described in detail on page 76 of this report.

Lake Cumberland Area

Occupational Employment Outlook

Management Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
00-0000 Total, All Occupations		80,133	89,283	9,150	11.4	1,091	1,906	2,997	13.06	n/a
11-0000 Management Occupations		4,026	4,641	615	15.3	62	75	137	29.86	n/a
11-1000	Top Executives	1,204	1,408	204	16.9	20	23	43	n/a	n/a
11-1011	Chief Executives	417	504	87	20.9	9	8	17	53.81	4
11-1021	General & Operations Mgrs.	787	904	117	14.9	12	15	27	32.40	4
11-1031	Legislators	*	*	*	*	*	*	*	n/a	4
11-2000	Advertising, Market, Promotions, P.R. & Sales	168	206	38	22.6	4	3	7	n/a	n/a
11-2011	Advertising & Promotions Mgrs.	*	*	*	*	*	*	*	n/a	4
11-2021	Marketing Mgrs.	35	43	8	22.9	1	1	2	25.98	4
11-2022	Sales Mgrs.	100	120	20	20.0	2	2	4	27.52	4
11-2031	Public Relations Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3000	Operations Specialties Mgrs.	569	656	87	15.3	9	10	19	n/a	n/a
11-3011	Administrative Services Mgrs.	46	57	11	23.9	1	1	2	25.03	4
11-3021	Computer & Information Systems Mgrs.	67	90	23	34.3	2	2	4	45.16	4
11-3031	Financial Mgrs.	206	234	28	13.6	3	3	6	25.26	4
11-3041	Compensation & Benefits Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3042	Training & Development Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3049	Human Resources Mgrs., All Other	*	*	*	*	*	*	*	n/a	4
11-3051	Industrial Production Mgrs.	102	103	1	1.0	0	2	2	28.80	8
11-3061	Purchasing Mgrs.	34	38	4	11.8	0	1	1	23.10	4
11-3071	Transportation, Storage & Distribution Mgrs.	37	46	9	24.3	1	1	2	33.42	8

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Management Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
11-9000	Other Management Occupations	2,085	2,371	286	13.7	29	40	69	n/a	n/a
11-9011	Farm, Ranch & Other Agricultural Mgrs.	515	524	9	1.7	1	9	10	n/a	4
11-9012	Farmers & Ranchers	*	*	*	*	*	*	*	n/a	9
11-9021	Construction Mgrs.	157	196	39	24.8	4	3	7	n/a	5
11-9031	Education Admin., Preschool, Child Care Center	50	65	15	30.0	2	1	3	n/a	4
11-9032	Education Admin., Elem. & Secondary School	168	191	23	13.7	2	4	6	n/a	4
11-9033	Education Admin., Post.	33	39	6	18.2	1	1	2	25.18	4
11-9039	Education Admin., All Other	*	*	*	*	*	*	*	n/a	4
11-9041	Engineering Mgrs.	51	54	3	5.9	0	1	1	n/a	4
11-9051	Food Service Mgrs.	289	352	63	21.8	6	5	11	16.98	8
11-9061	Funeral Directors	37	40	3	8.1	0	1	1	n/a	6
11-9081	Lodging Mgrs.	*	*	*	*	*	*	*	n/a	8
11-9111	Medical & Health Services Mgrs.	180	221	41	22.8	4	4	8	29.46	4
11-9121	Natural Sciences Mgrs.	*	*	*	*	*	*	*	n/a	4
11-9131	Postmasters & Mail Superintendents	35	34	-1	-2.9	0	1	1	23.61	8
11-9141	Property, Real Estate, Community Assn. Mgrs.	141	166	25	17.7	3	3	6	14.48	5
11-9151	Social & Community Service Mgrs.	114	140	26	22.8	3	2	5	22.83	5
11-9199	Mgrs., All Other	276	304	28	10.1	3	5	8	27.96	8

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Business & Financial Operations Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
13-0000 Business & Financial Operations Occupations		1,453	1,713	260	17.9	26	27	53	20.39	n/a
13-1000	Business Operations Spec.	836	994	158	18.9	16	16	32	n/a	n/a
13-1011	Agents & Business Mgrs. of Artists, Perf. & Ath.	*	*	*	*	*	*	*	n/a	4
13-1021	Purchasing Agents & Buyers, Farm Products	*	*	*	*	*	*	*	n/a	8
13-1022	Whole. & Retail Buyers, Ex. Farm Products	44	49	5	11.4	1	1	2	n/a	8
13-1023	Purchasing Agents, Ex. Wholesale & Retail	84	98	14	16.7	1	2	3	16.57	8
13-1031	Claims Adjusters, Examiners & Investigators	37	43	6	16.2	1	1	2	n/a	9
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	*	*	*	n/a	9
13-1041	Compliance Officers, Ex. Agr., Constr., Health	97	104	7	7.2	1	2	3	17.76	9
13-1051	Cost Estimators	49	60	11	22.4	1	1	2	16.29	8
13-1061	Emergency Management Spec.	*	*	*	*	*	*	*	n/a	8
13-1071	Employment, Recruitment & Placement Spec.	82	97	15	18.3	2	1	3	n/a	5
13-1072	Compensation, Benefits & Job Analysis Spec.	*	*	*	*	*	*	*	n/a	5
13-1073	Training & Development Spec.	71	85	14	19.7	1	1	2	18.47	5
13-1079	HR, Training & Labor Relations Spec.	41	57	16	39.0	2	1	3	15.04	5
13-1081	Logisticians	*	*	*	*	*	*	*	n/a	5
13-1111	Management Analysts	86	114	28	32.6	3	1	4	32.42	4
13-1121	Meeting & Convention Planners	*	*	*	*	*	*	*	n/a	5
13-1199	Business Operations Spec., All Other	171	199	28	16.4	3	3	6	20.41	5
13-2000	Financial Specialists	617	719	102	16.5	10	11	21	n/a	n/a
13-2011	Accountants & Auditors	294	351	57	19.4	6	6	12	21.46	5
13-2021	Appraisers & Assessors of Real Estate	*	*	*	*	*	*	*	n/a	7
13-2031	Budget Analysts	*	*	*	*	*	*	*	n/a	5
13-2041	Credit Analysts	*	*	*	*	*	*	*	n/a	5
13-2051	Financial Analysts	*	*	*	*	*	*	*	n/a	5
13-2052	Personal Financial Advisors	*	*	*	*	*	*	*	n/a	5
13-2053	Insurance Underwriters	*	*	*	*	*	*	*	n/a	5
13-2061	Financial Examiners	*	*	*	*	*	*	*	n/a	5
13-2071	Loan Counselors	*	*	*	*	*	*	*	n/a	5
13-2072	Loan Officers	157	178	21	13.4	2	3	5	22.21	5
13-2081	Tax Examiners, Collectors & Revenue Agents	*	*	*	*	*	*	*	n/a	5
13-2082	Tax Preparers	*	*	*	*	*	*	*	n/a	10
13-2099	Financial Spec., All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Computer & Mathematical Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
15-0000 Computer & Mathematical Occupations		541	760	219	40.5	24	7	31	25.62	n/a
15-1000	Computer Specialists	537	754	217	40.4	22	6	28	n/a	n/a
15-1011	Computer & Information Scientists, Research	*	*	*	*	*	*	*	n/a	2
15-1021	Computer Programmers	48	49	1	2.1	0	1	1	n/a	5
15-1031	Computer Software Engineers, Applications	64	106	42	65.6	4	1	5	n/a	5
15-1032	Computer Software Engineers, Systems Soft.	*	*	*	*	*	*	*	n/a	5
15-1041	Computer Support Spec.	157	209	52	33.1	5	1	6	19.97	6
15-1051	Computer Systems Analysts	57	78	21	36.8	2	1	3	n/a	5
15-1061	Database Admin.	*	*	*	*	*	*	*	n/a	5
15-1071	Network & Computer Systems Admin.	92	136	44	47.8	4	1	5	30.80	5
15-1081	Network Systems & Data Comm. Analysts	66	107	41	62.1	4	1	5	18.99	5
15-1099	Computer Spec., All Other	*	*	*	*	*	*	*	n/a	6
15-2000	Mathematical Scientists	*	*	*	*	*	*	*	n/a	n/a
15-2011	Actuaries	*	*	*	*	*	*	*	n/a	4
15-2021	Mathematicians	*	*	*	*	*	*	*	n/a	2
15-2031	Operations Research Analysts	*	*	*	*	*	*	*	n/a	3
15-2041	Statisticians	*	*	*	*	*	*	*	n/a	3
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	*	n/a	3

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Architecture & Engineering Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
17-0000 Architecture & Engineering Occupations		465	517	52	11.2	6	11	17	23.48	n/a
17-1000	Architects, Surveyors & Cartographers	*	*	*	*	*	*	*	n/a	n/a
17-1011	Architects, Ex. Landscape & Naval	*	*	*	*	*	*	*	n/a	5
17-1012	Landscape Architects	*	*	*	*	*	*	*	n/a	5
17-1021	Cartographers & Photogrammetrists	*	*	*	*	*	*	*	n/a	5
17-1022	Surveyors	*	*	*	*	*	*	*	n/a	5
17-2000	Engineers	239	268	29	12.1	3	6	9	n/a	n/a
17-2011	Aerospace Engineers	*	*	*	*	*	*	*	n/a	5
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	n/a	5
17-2031	Biomedical Engineers	*	*	*	*	*	*	*	n/a	5
17-2041	Chemical Engineers	*	*	*	*	*	*	*	n/a	5
17-2051	Civil Engineers	41	43	2	4.9	0	1	1	n/a	5
17-2061	Computer Hardware Engineers	*	*	*	*	*	*	*	n/a	5
17-2071	Electrical Engineers	*	*	*	*	*	*	*	n/a	5
17-2072	Electronics Engineers, Ex. Computer	*	*	*	*	*	*	*	n/a	5
17-2081	Environmental Engineers	*	*	*	*	*	*	*	n/a	5
17-2111	Health & Safety Engineers, Ex. Mining Safety	*	*	*	*	*	*	*	n/a	5
17-2112	Industrial Engineers	65	81	16	24.6	2	2	4	19.94	5
17-2121	Marine Engineers & Naval Architects	*	*	*	*	*	*	*	n/a	5
17-2131	Materials Engineers	*	*	*	*	*	*	*	n/a	5
17-2141	Mechanical Engineers	51	56	5	9.8	1	1	2	23.63	5
17-2151	Mining & Geological Engrs., Incl. Mining Safety	*	*	*	*	*	*	*	n/a	5
17-2161	Nuclear Engineers	*	*	*	*	*	*	*	n/a	5
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	n/a	5
17-2199	Engineers, All Other	30	35	5	16.7	1	1	2	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Architecture & Engineering Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
17-3000	Drafters, Engineering & Mapping Technicians	206	222	16	7.8	2	4	6	n/a	n/a
17-3011	Architectural & Civil Drafters	*	*	*	*	*	*	*	n/a	7
17-3012	Electrical & Electronics Drafters	*	*	*	*	*	*	*	n/a	7
17-3013	Mechanical Drafters	*	*	*	*	*	*	*	14.73	7
17-3019	Drafters, All Other	*	*	*	*	*	*	*	n/a	7
17-3021	Aerospace Engineering & Ops. Technicians	*	*	*	*	*	*	*	n/a	6
17-3022	Civil Engineering Technicians	64	71	7	10.9	1	1	2	n/a	6
17-3023	Electrical & Electronic Engineering Technicians	33	35	2	6.1	0	1	1	n/a	6
17-3024	Electro-Mechanical Technicians	*	*	*	*	*	*	*	n/a	6
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3026	Industrial Engineering Technicians	23	31	8	34.8	1	1	2	37.45	6
17-3027	Mechanical Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3029	Engineering Technicians, Ex. Drafters, All Other	*	*	*	*	*	*	*	n/a	6
17-3031	Surveying & Mapping Technicians	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Life, Physical & Social Science Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
19-0000 Life, Physical & Social Science Occupations		320	354	34	10.6	4	7	11	19.70	n/a
19-1000	Life Scientists	71	78	7	9.9	1	2	3	n/a	n/a
19-1011	Animal Scientists	*	*	*	*	*	*	*	n/a	5
19-1012	Food Scientists & Technologists	*	*	*	*	*	*	*	n/a	5
19-1013	Soil & Plant Scientists	*	*	*	*	*	*	*	n/a	5
19-1021	Biochemists & Biophysicists	*	*	*	*	*	*	*	n/a	2
19-1022	Microbiologists	*	*	*	*	*	*	*	n/a	2
19-1023	Zoologists & Wildlife Biologists	*	*	*	*	*	*	*	n/a	5
19-1029	Biological Scientists, All Other	*	*	*	*	*	*	*	n/a	5
19-1031	Conservation Scientists	*	*	*	*	*	*	*	n/a	5
19-1032	Foresters	*	*	*	*	*	*	*	n/a	5
19-1041	Epidemiologists	*	*	*	*	*	*	*	n/a	3
19-1042	Medical Scientists, Ex. Epidemiologists	*	*	*	*	*	*	*	n/a	2
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	n/a	5
19-2000	Physical Scientists	33	37	4	12.1	0	1	1	n/a	n/a
19-2011	Astronomers	*	*	*	*	*	*	*	n/a	2
19-2012	Physicists	*	*	*	*	*	*	*	n/a	2
19-2021	Atmospheric & Space Scientists	*	*	*	*	*	*	*	n/a	5
19-2031	Chemists	*	*	*	*	*	*	*	n/a	5
19-2032	Materials Scientists	*	*	*	*	*	*	*	n/a	5
19-2041	Environmental Scientists & Spec., Incl. Health	*	*	*	*	*	*	*	n/a	3
19-2042	Geoscientists, Ex. Hydrologists & Geographers	*	*	*	*	*	*	*	n/a	3
19-2043	Hydrologists	*	*	*	*	*	*	*	n/a	3
19-2099	Physical Scientists, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Life, Physical & Social Science Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014				
		Estimated	Projected	Number	Percent	Growth	Separations	Total		
19-3000	Social Scientists & Related Workers	124	149	25	20.2	3	3	6	n/a	n/a
19-3011	Economists	*	*	*	*	*	*	*	n/a	3
19-3021	Market Research Analysts	*	*	*	*	*	*	*	n/a	5
19-3022	Survey Researchers	*	*	*	*	*	*	*	n/a	5
19-3031	Clinical, Counseling & School Psychologists	86	110	24	27.9	2	2	4	20.83	2
19-3039	Psychologists, All Other	*	*	*	*	*	*	*	n/a	3
19-3051	Urban & Regional Planners	*	*	*	*	*	*	*	n/a	3
19-3091	Anthropologists & Archeologists	*	*	*	*	*	*	*	n/a	3
19-3092	Geographers	*	*	*	*	*	*	*	n/a	3
19-3093	Historians	*	*	*	*	*	*	*	n/a	3
19-3094	Political Scientists	*	*	*	*	*	*	*	n/a	3
19-3099	Social Scientists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	3
19-4000	Life, Physical & Social Science Technicians	92	90	-2	-2.2	0	2	2	n/a	n/a
19-4011	Agricultural & Food Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4021	Biological Technicians	*	*	*	*	*	*	*	n/a	6
19-4031	Chemical Technicians	*	*	*	*	*	*	*	n/a	6
19-4041	Geological & Petroleum Technicians	*	*	*	*	*	*	*	n/a	6
19-4061	Social Science Research Assistants	*	*	*	*	*	*	*	n/a	6
19-4091	Environ. Sci. & Protection Techs., Incl. Health	*	*	*	*	*	*	*	n/a	6
19-4092	Forensic Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4093	Forest & Conservation Technicians	*	*	*	*	*	*	*	16.48	6
19-4099	Life, Physical & Social Sci. Tech., All Other	*	*	*	*	*	*	*	n/a	6

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Community & Social Service Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
21-0000 Community & Social Services Occupations		1,343	1,599	256	19.1	26	24	50	14.24	n/a
21-1000	Counselors, Social Work. & Other Social Serv.	1,322	1,572	250	18.9	25	24	49	n/a	n/a
21-1011	Substance Abuse & Behavioral Disorder Couns.	*	*	*	*	*	*	*	15.02	3
21-1012	Educational, Vocational & School Counselors	119	144	25	21.0	3	3	6	19.92	3
21-1013	Marriage & Family Therapists	*	*	*	*	*	*	*	n/a	3
21-1014	Mental Health Counselors	*	*	*	*	*	*	*	n/a	3
21-1015	Rehabilitation Counselors	*	*	*	*	*	*	*	n/a	3
21-1019	Counselors, All Other	*	*	*	*	*	*	*	n/a	3
21-1021	Child, Family & School Social Workers	*	*	*	*	*	*	*	16.37	5
21-1022	Medical & Public Health Social Workers	71	90	19	26.8	2	1	3	14.97	5
21-1023	Mental Health & Subst. Abuse Social Workers	125	147	22	17.6	2	2	4	14.97	3
21-1029	Social Workers, All Other	43	49	6	14.0	1	1	2	n/a	5
21-1091	Health Educators	*	*	*	*	*	*	*	n/a	3
21-1092	Probation Offcr. & Correctional Treatment Spec.	*	*	*	*	*	*	*	n/a	5
21-1093	Social & Human Service Assistants	212	278	66	31.1	7	4	11	9.90	10
21-1099	Community & Social Service Spec., All Other	66	78	12	18.2	1	1	2	7.07	5
21-2000	Religious Workers	*	*	*	*	*	*	*	n/a	n/a
21-2011	Clergy	*	*	*	*	*	*	*	n/a	3
21-2021	Directors, Religious Activities & Education	*	*	*	*	*	*	*	n/a	5
21-2099	Religious Workers, All Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Legal Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
23-0000 Legal Occupations		648	758	110	17.0	11	7	18	22.93	n/a
23-1000	Lawyers, Judges & Related Workers	355	415	60	16.9	6	5	11	n/a	n/a
23-1011	Lawyers	300	359	59	19.7	6	4	10	n/a	1
23-1021	Adm. Law Judges, Adjudicators & Hearing Offcr.	*	*	*	*	*	*	*	n/a	4
23-1022	Arbitrators, Mediators & Conciliators	*	*	*	*	*	*	*	n/a	4
23-1023	Judges, Magistrate Judges & Magistrates	*	*	*	*	*	*	*	n/a	4
23-2000	Legal Support Workers	293	343	50	17.1	5	3	8	n/a	n/a
23-2011	Paralegals & Legal Assistants	174	215	41	23.6	4	1	5	n/a	6
23-2091	Court Reporters	*	*	*	*	*	*	*	n/a	7
23-2092	Law Clerks	*	*	*	*	*	*	*	n/a	5
23-2093	Title Examiners, Abstractors & Searchers	*	*	*	*	*	*	*	n/a	10
23-2099	Legal Support Workers, All Other	61	69	8	13.1	1	1	2	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Education, Training & Library Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
25-0000 Education, Training & Library Occupations		5,138	6,219	1,081	21.0	108	103	211	14.99	n/a
25-1000	Postsecondary Teachers	503	654	151	30.0	15	11	26	n/a	n/a
25-1011	Business Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1021	Computer Science Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1022	Mathematical Science Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1031	Architecture Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1032	Engineering Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1041	Agricultural Sciences Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1042	Biological Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1043	Forestry & Conservation Sci. Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1051	Atmospheric, Earth, Marine & Space Sci., Post.	*	*	*	*	*	*	*	n/a	2
25-1052	Chemistry Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1054	Physics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1061	Anthropology & Archeology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1062	Area, Ethnic & Cultural Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1063	Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1064	Geography Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1065	Political Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1066	Psychology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1067	Sociology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1069	Social Sciences Teachers, Post., All Other	*	*	*	*	*	*	*	n/a	2
25-1071	Health Specialties Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1072	Nursing Instructors & Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1081	Education Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1082	Library Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Education, Training & Library Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
25-1111	Crim. Justice & Law Enforcement Teach., Post.	*	*	*	*	*	*	*	n/a	2
25-1112	Law Teachers, Post.	*	*	*	*	*	*	*	n/a	1
25-1113	Social Work Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1121	Art, Drama & Music Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1122	Communications Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1123	English Language & Literature Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1124	Foreign Language & Literature Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1125	History Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1126	Philosophy & Religion Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1191	Graduate Teaching Assistants	*	*	*	*	*	*	*	n/a	5
25-1192	Home Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1193	Recreation & Fitness Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1194	Vocational Education Teachers, Post.	85	108	23	27.1	2	2	4	n/a	4
25-1199	Post. Teachers, All Other	134	175	41	30.6	4	3	7	n/a	2
25-2000	Primary, Secondary & Special Ed. Teachers	2,514	2,962	448	17.8	45	55	100	n/a	n/a
25-2011	Preschool Teachers, Ex. Special Education	335	454	119	35.5	12	4	16	9.32	7
25-2012	Kindergarten Teachers, Ex. Special Education	*	*	*	*	*	*	*	n/a	5
25-2021	Elem. School Teachers, Ex. Special Education	955	1,101	146	15.3	15	21	36	n/a	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed.	339	373	34	10.0	3	8	11	n/a	5
25-2023	Vocational Education Teachers, Middle School	*	*	*	*	*	*	*	n/a	4
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed.	480	542	62	12.9	6	14	20	n/a	5
25-2032	Vocational Ed. Teachers, Secondary School	36	41	5	13.9	1	1	2	n/a	4
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	153	194	41	26.8	4	4	8	n/a	5
25-2042	Special Education Teachers, Middle School	62	76	14	22.6	1	2	3	n/a	5
25-2043	Special Education Teachers, Secondary School	84	99	15	17.9	2	2	4	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Education, Training & Library Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
25-3000	Other Teachers & Instructors	872	1,129	257	29.5	26	11	37	n/a	n/a
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	81	101	20	24.7	2	1	3	15.10	5
25-3021	Self-Enrichment Education Teachers	*	*	*	*	*	*	*	n/a	8
25-3099	Teachers & Instructors, All Other	769	1,001	232	30.2	23	10	33	11.00	5
25-4000	Librarians, Curators & Archivists	198	215	17	8.6	2	6	8	n/a	n/a
25-4011	Archivists	*	*	*	*	*	*	*	n/a	3
25-4012	Curators	*	*	*	*	*	*	*	n/a	3
25-4013	Museum Technicians & Conservators	*	*	*	*	*	*	*	n/a	3
25-4021	Librarians	130	137	7	5.4	1	3	4	21.39	3
25-4031	Library Technicians	*	*	*	*	*	*	*	6.98	7
25-9000	Other Ed., Training & Library Occupations	1,051	1,259	208	19.8	21	20	41	n/a	n/a
25-9011	Audio-Visual Collections Spec.	*	*	*	*	*	*	*	n/a	10
25-9021	Farm & Home Management Advisors	*	*	*	*	*	*	*	n/a	5
25-9031	Instructional Coordinators	50	64	14	28.0	1	1	2	22.08	3
25-9041	Teacher Assistants	943	1,126	183	19.4	18	18	36	n/a	11
25-9099	Education, Training & Library Workers, Other	53	65	12	22.6	1	1	2	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Arts, Design, Entertainment, Sports & Media Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
27-0000	Arts, Design, Entertain., Sports & Media Occs.	751	853	102	13.6	11	13	24	12.13	n/a
27-1000	Art & Design Workers	314	351	37	11.8	4	4	8	n/a	n/a
27-1011	Art Directors	*	*	*	*	*	*	*	n/a	4
27-1012	Craft Artists	*	*	*	*	*	*	*	n/a	9
27-1013	Fine Artists, Incl. Painters, Sculpt. & Illustrators	*	*	*	*	*	*	*	n/a	9
27-1014	Multi-Media Artists & Animators	*	*	*	*	*	*	*	n/a	5
27-1019	Artists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	9
27-1021	Commercial & Industrial Designers	*	*	*	*	*	*	*	n/a	5
27-1022	Fashion Designers	*	*	*	*	*	*	*	n/a	6
27-1023	Floral Designers	153	176	23	15.0	2	2	4	n/a	10
27-1024	Graphic Designers	64	69	5	7.8	1	1	2	10.78	5
27-1025	Interior Designers	*	*	*	*	*	*	*	n/a	6
27-1026	Merchandise Displayers & Window Trimmers	38	43	5	13.2	1	1	2	n/a	10
27-1027	Set & Exhibit Designers	*	*	*	*	*	*	*	n/a	5
27-1029	Designers, All Other	*	*	*	*	*	*	*	n/a	5
27-2000	Entertainers & Performers, Sports & Related	126	154	28	22.2	3	2	5	n/a	n/a
27-2011	Actors	*	*	*	*	*	*	*	n/a	9
27-2012	Producers & Directors	*	*	*	*	*	*	*	n/a	4
27-2021	Athletes & Sports Competitors	*	*	*	*	*	*	*	n/a	9
27-2022	Coaches & Scouts	60	73	13	21.7	1	1	2	n/a	9
27-2023	Umpires, Referees & Other Sports Officials	*	*	*	*	*	*	*	n/a	9
27-2031	Dancers	*	*	*	*	*	*	*	n/a	9
27-2032	Choreographers	*	*	*	*	*	*	*	n/a	8
27-2041	Music Directors & Composers	*	*	*	*	*	*	*	n/a	4
27-2042	Musicians & Singers	*	*	*	*	*	*	*	n/a	9
27-2099	Entertainers & Perf., Sports & Related, All Other	*	*	*	*	*	*	*	n/a	9

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Arts, Design, Entertainment, Sports, Media Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
27-3000	Media & Communication Workers	251	276	25	10.0	3	5	8	n/a	n/a
27-3011	Radio & Television Announcers	46	43	-3	-6.5	0	1	1	n/a	9
27-3012	Public Address System & Other Announcers	*	*	*	*	*	*	*	n/a	9
27-3021	Broadcast News Analysts	*	*	*	*	*	*	*	n/a	4
27-3022	Reporters & Correspondents	*	*	*	*	*	*	*	10.28	4
27-3031	Public Relations Spec.	115	134	19	16.5	2	2	4	19.96	5
27-3041	Editors	*	*	*	*	*	*	*	11.45	5
27-3042	Technical Writers	*	*	*	*	*	*	*	n/a	5
27-3043	Writers & Authors	*	*	*	*	*	*	*	n/a	5
27-3091	Interpreters & Translators	*	*	*	*	*	*	*	n/a	9
27-3099	Media & Communication Workers, All Other	*	*	*	*	*	*	*	n/a	9
27-4000	Media & Communication Equipment Workers	60	72	12	20.0	1	1	2	n/a	n/a
27-4011	Audio & Video Equipment Technicians	*	*	*	*	*	*	*	n/a	9
27-4012	Broadcast Technicians	*	*	*	*	*	*	*	n/a	6
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	n/a	7
27-4021	Photographers	*	*	*	*	*	*	*	n/a	9
27-4031	Camera Operators, TV, Video & Motion Picture	*	*	*	*	*	*	*	n/a	10
27-4032	Film & Video Editors	*	*	*	*	*	*	*	n/a	5
27-4099	Media & Comm. Equipment Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Healthcare Practitioners & Technical Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
29-0000 Healthcare Practitioners & Technical Occs.		3,940	4,816	876	22.2	88	75	163	21.06	n/a
29-1000	Health Diagnosing & Treating Practitioners	2,228	2,791	563	25.3	56	45	101	n/a	n/a
29-1011	Chiropractors	*	*	*	*	*	*	*	n/a	1
29-1021	Dentists, General	64	70	6	9.4	1	1	2	n/a	1
29-1022	Oral & Maxillofacial Surgeons	*	*	*	*	*	*	*	n/a	1
29-1023	Orthodontists	*	*	*	*	*	*	*	n/a	1
29-1031	Dietitians & Nutritionists	*	*	*	*	*	*	*	n/a	5
29-1041	Optometrists	*	*	*	*	*	*	*	n/a	1
29-1051	Pharmacists	132	159	27	20.5	3	3	6	47.07	1
29-1061	Physicians & Surgeons	*	*	*	*	*	*	*	n/a	1
29-1062	Anesthesiologists	113	130	17	15.0	2	2	4	71.13	1
29-1063	Family & General Practitioners	*	*	*	*	*	*	*	n/a	1
29-1064	Internists, General	52	59	7	13.5	1	1	2	n/a	1
29-1065	Obstetricians & Gynecologists	*	*	*	*	*	*	*	n/a	1
29-1066	Pediatricians, General	*	*	*	*	*	*	*	n/a	1
29-1067	Psychiatrists	42	48	6	14.3	1	1	2	n/a	1
29-1069	Surgeons	64	75	11	17.2	1	1	2	n/a	1
29-1071	Physician Assistants	33	46	13	39.4	1	1	2	n/a	5
29-1081	Podiatrists	*	*	*	*	*	*	*	n/a	1
29-1111	Registered Nurses	1,395	1,798	403	28.9	40	29	69	22.00	6
29-1121	Audiologists	*	*	*	*	*	*	*	n/a	1
29-1122	Occupational Therapists	42	55	13	31.0	1	1	2	27.20	3
29-1123	Physical Therapists	49	60	11	22.4	1	1	2	35.06	3
29-1124	Radiation Therapists	*	*	*	*	*	*	*	n/a	6
29-1125	Recreational Therapists	*	*	*	*	*	*	*	n/a	5
29-1126	Respiratory Therapists	75	94	19	25.3	2	3	5	17.53	6
29-1127	Speech-Language Pathologists	66	75	9	13.6	1	2	3	24.11	3
29-1129	Therapists, All Other	*	*	*	*	*	*	*	n/a	5
29-1131	Veterinarians	*	*	*	*	*	*	*	n/a	1
29-1199	Health Diagnosing & Treat. Practitioners, Other	*	*	*	*	*	*	*	n/a	5

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Healthcare Practitioners & Tech. Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
29-2000	Health Technologists & Technicians	1,663	1,967	304	18.3	30	29	59	n/a	n/a
29-2011	Medical & Clinical Laboratory Technologists	83	100	17	20.5	2	2	4	18.02	5
29-2012	Medical & Clinical Laboratory Technicians	52	63	11	21.2	1	1	2	14.29	6
29-2021	Dental Hygienists	69	87	18	26.1	2	1	3	n/a	6
29-2031	Cardiovascular Technologists & Technicians	39	49	10	25.6	1	1	2	n/a	6
29-2032	Diagnostic Medical Sonographers	*	*	*	*	*	*	*	n/a	6
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	n/a	6
29-2034	Radiologic Technologists & Technicians	125	151	26	20.8	3	2	5	19.15	6
29-2041	Emergency Medical Technicians & Paramedics	178	228	50	28.1	5	2	7	10.70	7
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	n/a	10
29-2052	Pharmacy Technicians	218	264	46	21.1	5	3	8	9.30	10
29-2053	Psychiatric Technicians	31	32	1	3.2	0	0	0	13.86	10
29-2054	Respiratory Therapy Technicians	45	45	0	0.0	0	1	1	14.53	6
29-2055	Surgical Technologists	65	82	17	26.2	2	1	3	15.75	7
29-2056	Veterinary Technologists & Technicians	*	*	*	*	*	*	*	n/a	6
29-2061	Licensed Practical & Licensed Voc. Nurses	555	625	70	12.6	7	12	19	13.19	7
29-2071	Medical Records & Health Info. Technicians	114	141	27	23.7	3	2	5	10.51	6
29-2081	Opticians, Dispensing	32	33	1	3.1	0	1	1	14.48	9
29-2091	Orthotists & Prosthetists	*	*	*	*	*	*	*	n/a	5
29-2099	Health Technologists & Technicians, All Other	*	*	*	*	*	*	*	n/a	7
29-9000	Other Healthcare Practitioners & Tech. Occs.	49	58	9	18.4	1	1	2	n/a	n/a
29-9011	Occupational Health & Safety Spec.	*	*	*	*	*	*	*	n/a	5
29-9012	Occupational Health & Safety Technicians	*	*	*	*	*	*	*	n/a	7
29-9091	Athletic Trainers	*	*	*	*	*	*	*	n/a	5
29-9099	Healthcare Practitioners & Tech. Workers, Other	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Healthcare Support Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
31-0000 Healthcare Support Occupations		2,468	3,074	606	24.6	61	38	99	9.57	n/a
31-1000	Nursing, Psychiatric & Home Health Aides	1,680	2,069	389	23.2	39	22	61	n/a	n/a
31-1011	Home Health Aides	318	459	141	44.3	14	4	18	8.77	11
31-1012	Nursing Aides, Orderlies & Attendants	1,359	1,607	248	18.2	25	18	43	8.45	7
31-1013	Psychiatric Aides	*	*	*	*	*	*	*	n/a	11
31-2000	Occupational & Phys. Therapist Assist. & Aides	56	74	18	32.1	2	1	3	n/a	n/a
31-2011	Occupational Therapist Assistants	*	*	*	*	*	*	*	n/a	6
31-2012	Occupational Therapist Aides	*	*	*	*	*	*	*	n/a	11
31-2021	Physical Therapist Assistants	41	55	14	34.1	1	1	2	19.60	6
31-2022	Physical Therapist Aides	*	*	*	*	*	*	*	n/a	11
31-9000	Other Healthcare Support Occupations	732	931	199	27.2	20	15	35	n/a	n/a
31-9011	Massage Therapists	*	*	*	*	*	*	*	n/a	7
31-9091	Dental Assistants	155	197	42	27.1	4	4	8	n/a	10
31-9092	Medical Assistants	279	385	106	38.0	11	5	16	10.12	10
31-9093	Medical Equipment Preparers	*	*	*	*	*	*	*	n/a	11
31-9094	Medical Transcriptionists	90	110	20	22.2	2	2	4	13.72	7
31-9095	Pharmacy Aides	*	*	*	*	*	*	*	n/a	11
31-9096	Vet. Assistants & Laboratory Animal Caretakers	*	*	*	*	*	*	*	n/a	11
31-9099	Healthcare Support Workers, All Other	141	160	19	13.5	2	3	5	9.25	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Protective Service Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
33-0000 Protective Service Occupations		1,260	1,356	96	7.6	12	43	55	13.27	n/a
33-1000	Mgrs., Protective Service Workers	96	108	12	12.5	1	3	4	n/a	n/a
33-1011	Mgrs. of Correctional Officers	30	32	2	6.7	0	1	1	n/a	8
33-1012	Mgrs. of Police & Detectives	*	*	*	*	*	*	*	n/a	8
33-1021	Mgrs. of Fire Fighting & Prevent	*	*	*	*	*	*	*	n/a	8
33-1099	Mgrs. of Protective Service Workers, Other	*	*	*	*	*	*	*	n/a	8
33-2000	Fire Fighting & Prevention Workers	42	54	12	28.6	1	1	2	n/a	n/a
33-2011	Fire Fighters	39	51	12	30.8	1	1	2	12.60	9
33-2021	Fire Inspectors & Investigators	*	*	*	*	*	*	*	n/a	8
33-2022	Forest Fire Inspectors & Prevention Spec.	*	*	*	*	*	*	*	n/a	8
33-3000	Law Enforcement Workers	520	591	71	13.7	7	12	19	n/a	n/a
33-3011	Bailiffs	*	*	*	*	*	*	*	n/a	10
33-3012	Correctional Officers & Jailers	260	290	30	11.5	3	5	8	13.27	10
33-3021	Detectives & Criminal Investigators	*	*	*	*	*	*	*	n/a	8
33-3031	Fish & Game Wardens	*	*	*	*	*	*	*	n/a	6
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	n/a	11
33-3051	Police & Sheriff's Patrol Officers	185	215	30	16.2	3	5	8	15.09	9
33-3052	Transit & Railroad Police	*	*	*	*	*	*	*	n/a	9
33-9000	Other Protective Service Workers	602	603	1	0.2	3	27	30	n/a	n/a
33-9011	Animal Control Workers	163	180	17	10.4	2	11	13	n/a	10
33-9021	Private Detectives & Investigators	*	*	*	*	*	*	*	n/a	8
33-9031	Gaming Surveillance Ofcrs. & Investigators	*	*	*	*	*	*	*	n/a	10
33-9032	Security Guards	293	265	-28	-9.6	0	6	6	8.35	11
33-9091	Crossing Guards	*	*	*	*	*	*	*	n/a	11
33-9092	Lifeguards, Ski Patrol & Rec. Protective Workers	94	102	8	8.5	1	7	8	n/a	11
33-9099	Protective Service Workers, All Other	38	40	2	5.3	0	3	3	15.30	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Food Preparation & Serving Related Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
35-0000 Food Preparation & Serving Related Occs.		5,170	5,854	684	13.2	68	198	266	7.17	n/a
35-1000	Supervisors, Food Prep. & Serving Workers	580	675	95	16.4	10	14	24	n/a	n/a
35-1011	Chefs & Head Cooks	105	121	16	15.2	2	3	5	n/a	8
35-1012	Mgrs. of Food Preparation & Serving Workers	475	554	79	16.6	8	11	19	9.97	8
35-2000	Cooks & Food Preparation Workers	1,748	1,932	184	10.5	18	55	73	n/a	n/a
35-2011	Cooks, Fast Food	621	708	87	14.0	9	19	28	6.19	11
35-2012	Cooks, Institution & Cafeteria	614	649	35	5.7	4	19	23	8.22	10
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	217	245	28	12.9	3	7	10	7.98	9
35-2015	Cooks, Short Order	71	76	5	7.0	1	2	3	7.54	11
35-2019	Cooks, All Other	*	*	*	*	*	*	*	n/a	10
35-2021	Food Preparation Workers	224	253	29	12.9	3	8	11	7.31	11
35-3000	Food & Beverage Serving Workers	2,501	2,859	358	14.3	36	117	153	n/a	n/a
35-3011	Bartenders	31	33	2	6.5	0	1	1	n/a	11
35-3021	Combined Food Prep. & Serving Workers	1,485	1,714	229	15.4	23	64	87	6.49	11
35-3022	Counter Attend., Cafeteria & Food Concession	116	134	18	15.5	2	8	10	n/a	11
35-3031	Waiters & Waitresses	833	941	108	13.0	11	43	54	6.81	11
35-3041	Food Servers, Nonrestaurant	36	37	1	2.8	0	1	1	9.59	11
35-9000	Other Food Prep. & Serving Related Workers	341	388	47	13.8	5	12	17	n/a	n/a
35-9011	Dining & Cafeteria Attend. & Bartender Helpers	56	63	7	12.5	1	2	3	n/a	11
35-9021	Dishwashers	209	239	30	14.4	3	7	10	6.83	11
35-9031	Hosts & Hostesses, Restaurant & Lounge	74	84	10	13.5	1	2	3	n/a	11
35-9099	Food Prep. & Serving Related Workers, Other	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Building, Grounds Cleaning & Maintenance Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
37-0000	Building & Grounds Cleaning & Maint. Occs.	2,573	3,029	456	17.7	46	52	98	8.40	n/a
37-1000	Sprvisors., Bldg. & Grounds Cleaning Workers	212	266	54	25.5	5	4	9	n/a	n/a
37-1011	Mgrs. of Housekeeping & Janitorial Workers	124	150	26	21.0	3	3	6	11.03	8
37-1012	Mgrs. of Landscaping, Lawn Service	88	116	28	31.8	3	1	4	n/a	8
37-2000	Building Cleaning & Pest Control Workers	1,714	2,041	327	19.1	33	34	67	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	1,100	1,339	239	21.7	24	21	45	8.19	11
37-2012	Maids & Housekeeping Cleaners	614	701	87	14.2	9	13	22	7.28	11
37-2019	Building Cleaning Workers, All Other	*	*	*	*	*	*	*	n/a	11
37-2021	Pest Control Workers	*	*	*	*	*	*	*	n/a	10
37-3000	Grounds Maintenance Workers	647	722	75	11.6	8	14	22	n/a	n/a
37-3011	Landscaping & Groundskeeping Workers	612	695	83	13.6	8	13	21	8.64	11
37-3012	Pesticide Handlers, Sprayers & Applic., Veget.	*	*	*	*	*	*	*	n/a	10
37-3013	Tree Trimmers & Pruners	*	*	*	*	*	*	*	n/a	11
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Personal Care & Service Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
39-0000 Personal Care & Service Occupations		2,473	3,093	620	25.1	62	60	122	8.13	n/a
39-1000	Supervisors, Personal Care & Service Workers	109	138	29	26.6	3	3	6	n/a	n/a
39-1011	Gaming Supervisors	*	*	*	*	*	*	*	n/a	8
39-1021	Mgrs. of Personal Service Workers	103	131	28	27.2	3	3	6	12.26	8
39-2000	Animal Care & Service Workers	141	163	22	15.6	2	3	5	n/a	n/a
39-2011	Animal Trainers	83	93	10	12.0	1	2	3	n/a	10
39-2021	Nonfarm Animal Caretakers	58	70	12	20.7	1	1	2	n/a	11
39-3000	Entertainment Attendants & Related Workers	185	224	39	21.1	4	6	10	n/a	n/a
39-3012	Gaming & Sports Book Writers & Runners	*	*	*	*	*	*	*	n/a	11
39-3021	Motion Picture Projectionists	*	*	*	*	*	*	*	n/a	11
39-3031	Ushers, Lobby Attendants & Ticket Takers	*	*	*	*	*	*	*	n/a	11
39-3091	Amusement & Recreation Attendants	91	109	18	19.8	2	3	5	n/a	11
39-3092	Costume Attendants	*	*	*	*	*	*	*	n/a	11
39-3093	Locker, Coatroom & Dressing Room Attendants	*	*	*	*	*	*	*	n/a	11
39-3099	Entertainment Attend. & Related Workers, Other	*	*	*	*	*	*	*	8.58	10
39-4000	Funeral Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-4011	Embalmers	*	*	*	*	*	*	*	n/a	7
39-4021	Funeral Attendants	*	*	*	*	*	*	*	n/a	11
39-5000	Personal Appearance Workers	186	229	43	23.1	4	4	8	n/a	n/a
39-5011	Barbers	*	*	*	*	*	*	*	n/a	7
39-5012	Hairdressers, Hairstylists & Cosmetologists	168	207	39	23.2	4	3	7	n/a	7
39-5091	Makeup Artists, Theatrical & Performance	*	*	*	*	*	*	*	n/a	7
39-5092	Manicurists & Pedicurists	*	*	*	*	*	*	*	n/a	7
39-5093	Shampooers	*	*	*	*	*	*	*	n/a	11
39-5094	Skin Care Spec.	*	*	*	*	*	*	*	n/a	7
39-6000	Transportation, Tourism & Lodging Attendants	34	33	-1	-2.9	0	1	1	n/a	n/a
39-6011	Baggage Porters & Bellhops	*	*	*	*	*	*	*	n/a	11
39-6012	Concierges	*	*	*	*	*	*	*	n/a	10
39-6021	Tour Guides & Escorts	33	32	-1	-3.0	0	1	1	n/a	10
39-6022	Travel Guides	*	*	*	*	*	*	*	n/a	10
39-6031	Flight Attendants	*	*	*	*	*	*	*	n/a	9
39-6032	Transp. Attend., Ex. Flight Attend., Bag Porters	*	*	*	*	*	*	*	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Personal Care & Service Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
39-9000	Other Personal Care & Service Workers	1,722	2,198	476	27.6	48	42	90	n/a	n/a
39-9011	Child Care Workers	1,068	1,369	301	28.2	30	29	59	7.39	11
39-9021	Personal & Home Care Aides	*	*	*	*	*	*	*	n/a	11
39-9031	Fitness Trainers & Aerobics Instructors	132	141	9	6.8	1	3	4	n/a	7
39-9032	Recreation Workers	148	180	32	21.6	3	3	6	9.40	11
39-9041	Residential Advisors	*	*	*	*	*	*	*	8.45	10
39-9099	Personal Care & Service Workers, All Other	57	65	8	14.0	1	1	2	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Sales & Related Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
41-0000 Sales & Related Occupations		8,473	9,331	858	10.1	87	281	368	10.16	n/a
41-1000	Supervisors, Sales Workers	1,979	2,182	203	10.3	20	36	56	n/a	n/a
41-1011	Mgrs. of Retail Sales Workers	1,725	1,897	172	10.0	17	31	48	14.61	8
41-1012	Mgrs. of Non-Retail Sales Workers	254	285	31	12.2	3	5	8	19.84	8
41-2000	Retail Sales Workers	5,134	5,586	452	8.8	46	215	261	n/a	n/a
41-2011	Cashiers	2,380	2,457	77	3.2	8	116	124	7.30	11
41-2012	Gaming Change Persons & Booth Cashiers	*	*	*	*	*	*	*	n/a	11
41-2021	Counter & Rental Clerks	290	354	64	22.1	6	11	17	10.66	11
41-2022	Parts Salespersons	155	143	-12	-7.7	0	4	4	10.66	10
41-2031	Retail Salespersons	2,309	2,632	323	14.0	32	84	116	10.11	11
41-3000	Sales Representatives, Services	299	349	50	16.7	5	6	11	n/a	n/a
41-3011	Advertising Sales Agents	40	43	3	7.5	0	1	1	13.18	10
41-3021	Insurance Sales Agents	139	163	24	17.3	2	3	5	n/a	5
41-3031	Securities, Commodities & Financial Serv. Sales	74	89	15	20.3	2	1	3	n/a	5
41-3041	Travel Agents	*	*	*	*	*	*	*	n/a	7
41-3099	Sales Representatives, Services, All Other	46	54	8	17.4	1	1	2	30.64	10
41-4000	Sales Reps., Wholesale & Manufacturing	508	586	78	15.4	8	13	21	n/a	n/a
41-4011	Sales Reps., Wholesale & Manuf., Tech. & Sci.	49	53	4	8.2	0	1	1	n/a	10
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	459	533	74	16.1	7	12	19	18.36	10
41-9000	Other Sales & Related Workers	553	628	75	13.6	8	11	19	n/a	n/a
41-9011	Demonstrators & Product Promoters	*	*	*	*	*	*	*	n/a	10
41-9012	Models	*	*	*	*	*	*	*	n/a	10
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	n/a	8
41-9022	Real Estate Sales Agents	283	335	52	18.4	5	6	11	12.22	7
41-9031	Sales Engineers	*	*	*	*	*	*	*	n/a	5
41-9041	Telemarketers	72	69	-3	-4.2	0	1	1	n/a	11
41-9091	Door-To-Door Sales, News & Street Vendors	*	*	*	*	*	*	*	n/a	11
41-9099	Sales & Related Workers, All Other	95	109	14	14.7	1	2	3	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Office & Administrative Support Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
43-0000 Office & Administrative Support Occupations		10,397	10,899	502	4.8	75	247	322	11.03	n/a
43-1000 Supervisors, Office & Admin. Support Workers		737	784	47	6.4	5	16	21	n/a	n/a
43-1011	Mgrs. of Office & Admin. Support Workers	737	784	47	6.4	5	16	21	14.40	8
43-2000 Communications Equipment Operators		59	53	-6	-10.2	0	2	2	n/a	n/a
43-2011	Switchboard Operators, Incl. Answering Service	59	53	-6	-10.2	0	2	2	9.60	11
43-2021	Telephone Operators	*	*	*	*	*	*	*	n/a	11
43-2099	Communications Equipment Operators, All Other	*	*	*	*	*	*	*	n/a	11
43-3000 Financial Clerks		2,123	2,283	160	7.5	16	50	66	n/a	n/a
43-3011	Bill & Account Collectors	213	270	57	26.8	6	4	10	10.20	11
43-3021	Billing & Posting Clerks & Machine Operators	495	501	6	1.2	1	8	9	10.34	10
43-3031	Bookkeeping, Accounting & Auditing Clerks	915	953	38	4.2	4	17	21	11.33	10
43-3051	Payroll & Timekeeping Clerks	138	159	21	15.2	2	4	6	11.33	10
43-3061	Procurement Clerks	*	*	*	*	*	*	*	n/a	11
43-3071	Tellers	336	375	39	11.6	4	17	21	n/a	11
43-4000 Information & Record Clerks		2,096	2,270	174	8.3	26	48	74	n/a	n/a
43-4011	Brokerage Clerks	*	*	*	*	*	*	*	n/a	10
43-4021	Correspondence Clerks	*	*	*	*	*	*	*	n/a	11
43-4031	Court, Municipal & License Clerks	*	*	*	*	*	*	*	n/a	11
43-4041	Credit Authorizers, Checkers & Clerks	*	*	*	*	*	*	*	n/a	11
43-4051	Customer Service Representatives	508	608	100	19.7	10	8	18	12.82	10
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	*	*	*	n/a	10
43-4071	File Clerks	105	63	-42	-40.0	0	3	3	8.33	11
43-4081	Hotel, Motel & Resort Desk Clerks	116	127	11	9.5	1	5	6	n/a	11
43-4111	Interviewers, Ex. Eligibility & Loan	113	135	22	19.5	2	3	5	8.33	11
43-4121	Library Assistants, Clerical	30	34	4	13.3	0	1	1	8.69	11
43-4131	Loan Interviewers & Clerks	87	91	4	4.6	0	1	1	11.51	11
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	n/a	8
43-4151	Order Clerks	109	79	-30	-27.5	0	3	3	10.18	11
43-4161	H.R. Assistants, Ex. Payroll & Timekeeping	75	88	13	17.3	1	2	3	12.10	11
43-4171	Receptionists & Information Clerks	640	728	88	13.8	9	16	25	9.34	11
43-4181	Reservation & Transp. Ticket Agents & Clerks	*	*	*	*	*	*	*	n/a	11
43-4199	Information & Record Clerks, All Other	93	80	-13	-14.0	0	2	2	14.48	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Office & Administrative Support Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
43-5000	Material Recording, Dispatching & Distributing	2,130	2,170	40	1.9	10	64	74	n/a	n/a
43-5011	Cargo & Freight Agents	*	*	*	*	*	*	*	n/a	10
43-5021	Couriers & Messengers	58	55	-3	-5.2	0	1	1	n/a	11
43-5031	Police, Fire & Ambulance Dispatchers	172	208	36	20.9	4	4	8	8.53	10
43-5032	Dispatchers, Ex. Police, Fire & Ambulance	95	95	0	0.0	0	2	2	14.98	10
43-5041	Meter Readers, Utilities	*	*	*	*	*	*	*	n/a	11
43-5051	Postal Service Clerks	45	45	0	0.0	0	1	1	22.13	11
43-5052	Postal Service Mail Carriers	186	185	-1	-0.5	0	6	6	20.18	11
43-5053	Postal Service Mail Sorters & Processors	61	60	-1	-1.6	0	2	2	16.65	11
43-5061	Production, Planning & Expediting Clerks	113	128	15	13.3	2	3	5	14.11	11
43-5071	Shipping, Receiving & Traffic Clerks	289	333	44	15.2	4	6	10	12.18	11
43-5081	Stock Clerks & Order Fillers	938	944	6	0.6	1	35	36	10.20	11
43-5111	Weigher, Measurer, Checker, Sampler, Records.	52	50	-2	-3.8	0	1	1	n/a	11
43-6000	Secretaries & Administrative Assistants	1,853	1,881	28	1.5	9	35	44	n/a	n/a
43-6011	Executive Secretaries & Admin. Assistants	624	687	63	10.1	6	12	18	13.70	10
43-6012	Legal Secretaries	105	110	5	4.8	1	2	3	10.91	7
43-6013	Medical Secretaries	219	236	17	7.8	2	4	6	10.36	7
43-6014	Secretaries, Ex. Legal, Medical & Executive	905	848	-57	-6.3	0	17	17	9.47	10
43-9000	Other Office & Administrative Support Workers	1,481	1,554	73	4.9	12	40	52	n/a	n/a
43-9011	Computer Operators	*	*	*	*	*	*	*	n/a	10
43-9021	Data Entry Keyers	360	423	63	17.6	6	9	15	10.30	10
43-9022	Word Processors & Typists	*	*	*	*	*	*	*	n/a	10
43-9031	Desktop Publishers	*	*	*	*	*	*	*	n/a	7
43-9041	Insurance Claims & Policy Processing Clerks	*	*	*	*	*	*	*	10.43	10
43-9051	Mail Clerks & Mail Machine Ops., Ex. Postal	*	*	*	*	*	*	*	n/a	11
43-9061	Office Clerks, General	873	911	38	4.4	4	19	23	9.41	11
43-9071	Office Machine Operators, Ex. Computer	32	32	0	0.0	0	1	1	9.03	11
43-9081	Proofreaders & Copy Markers	*	*	*	*	*	*	*	n/a	11
43-9111	Statistical Assistants	*	*	*	*	*	*	*	n/a	10
43-9199	Office & Administrative Support Workers, Other	45	49	4	8.9	0	1	1	n/a	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Farming, Fishing & Forestry Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
45-0000 Farming, Fishing & Forestry Occupations		1,964	1,838	-126	-6.4	4	53	57	8.75	n/a
45-1000	Supervisors, Farming, Fishing & Forestry Work.	128	137	9	7.0	1	3	4	n/a	n/a
45-1011	Mgrs. of Farming, Fishing & Forestry Workers	127	136	9	7.1	1	3	4	n/a	8
45-1012	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	8
45-2000	Agricultural Workers	1,710	1,554	-156	-9.1	1	47	48	n/a	n/a
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	n/a	8
45-2021	Animal Breeders	64	74	10	15.6	1	1	2	n/a	11
45-2041	Graders & Sorters, Agricultural Products	54	53	-1	-1.9	0	1	1	n/a	8
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-2092	Farmworkers & Laborers, Crop, Nursery	1,279	1,139	-140	-10.9	0	36	36	n/a	11
45-2093	Farmworkers, Farm & Ranch Animals	159	141	-18	-11.3	0	5	5	6.52	11
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	11
45-3000	Fishing & Hunting Workers	*	*	*	*	*	*	*	n/a	n/a
45-3011	Fishers & Related Fishing Workers	*	*	*	*	*	*	*	n/a	10
45-4000	Forest, Conservation & Logging Workers	126	147	21	16.7	2	2	4	n/a	10
45-4011	Forest & Conservation Workers	*	*	*	*	*	*	*	n/a	10
45-4021	Fallers	*	*	*	*	*	*	*	n/a	10
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-4023	Log Graders & Scalers	47	63	16	34.0	2	1	3	n/a	n/a
45-4029	Logging Workers, All Other	*	*	*	*	*	*	*	n/a	n/a

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Construction & Extraction Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
47-0000 Construction & Extraction Occupations		4,652	5,459	807	17.3	81	88	169	13.12	8
47-1000	Supervisors, Construction & Extraction Workers	461	543	82	17.8	8	8	16	n/a	n/a
47-1011	Mgrs. of Constr. Trades & Extraction Workers	461	543	82	17.8	8	8	16	21.96	9
47-2000	Construction Trades Workers	3,609	4,216	607	16.8	61	67	128	n/a	n/a
47-2011	Boilermakers	*	*	*	*	*	*	*	n/a	9
47-2021	Brickmasons & Blockmasons	53	62	9	17.0	1	1	2	20.98	9
47-2022	Stonemasons	*	*	*	*	*	*	*	n/a	9
47-2031	Carpenters	1,148	1,417	269	23.4	27	19	46	11.51	10
47-2041	Carpet Installers	*	*	*	*	*	*	*	13.69	10
47-2042	Floor Layers, Ex. Carpet, Wood & Hard Tiles	*	*	*	*	*	*	*	n/a	10
47-2043	Floor Sanders & Finishers	*	*	*	*	*	*	*	n/a	9
47-2044	Tile & Marble Setters	*	*	*	*	*	*	*	n/a	10
47-2051	Cement Masons & Concrete Finishers	64	73	9	14.1	1	1	2	n/a	9
47-2053	Terrazzo Workers & Finishers	*	*	*	*	*	*	*	n/a	10
47-2061	Construction Laborers	495	512	17	3.4	2	7	9	10.52	10
47-2071	Paving, Surfacing & Tamping Equip. Operators	137	166	29	21.2	3	2	5	14.74	10
47-2072	Pile-Driver Operators	*	*	*	*	*	*	*	n/a	10
47-2073	Operating Engineers & Other Constr. Equip. Ops.	648	740	92	14.2	9	17	26	15.95	10
47-2081	Drywall & Ceiling Tile Installers	33	40	7	21.2	1	1	2	n/a	10
47-2082	Tapers	*	*	*	*	*	*	*	n/a	9
47-2111	Electricians	237	264	27	11.4	3	5	8	14.27	9
47-2121	Glaziers	36	40	4	11.1	0	1	1	n/a	10
47-2131	Insulation Workers, Floor, Ceiling & Wall	*	*	*	*	*	*	*	n/a	10
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	n/a	10
47-2141	Painters, Construction & Maintenance	186	228	42	22.6	4	3	7	10.89	10
47-2142	Paperhangers	*	*	*	*	*	*	*	n/a	10
47-2151	Pipelayers	91	107	16	17.6	2	2	4	n/a	9
47-2152	Plumbers, Pipefitters & Steamfitters	147	172	25	17.0	3	3	6	14.29	9
47-2161	Plasterers & Stucco Masons	*	*	*	*	*	*	*	n/a	9
47-2171	Reinforcing Iron & Rebar Workers	*	*	*	*	*	*	*	n/a	10
47-2181	Roofers	30	37	7	23.3	1	1	2	n/a	9
47-2211	Sheet Metal Workers	76	88	12	15.8	1	2	3	11.90	10
47-2221	Structural Iron & Steel Workers	46	52	6	13.0	1	1	2	n/a	9

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Construction & Extraction Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
47-3000	Helpers, Construction Trades	135	152	17	12.6	2	6	8	n/a	n/a
47-3011	Helpers--Brick, Block, Stone & Tile Setters	*	*	*	*	*	*	*	n/a	11
47-3012	Helpers--Carpenters	51	57	6	11.8	1	2	3	n/a	11
47-3013	Helpers--Electricians	*	*	*	*	*	*	*	n/a	11
47-3014	Helpers--Paint, Paperhanger, Plasterer & Stucco	*	*	*	*	*	*	*	n/a	11
47-3015	Helpers--Pipelayer & Fitter, Plumber, Steamfitter	37	42	5	13.5	1	2	3	n/a	11
47-3016	Helpers--Roofers	*	*	*	*	*	*	*	n/a	11
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	*	*	*	n/a	11
47-4000	Other Construction & Related Workers	363	453	90	24.8	9	5	14	n/a	n/a
47-4011	Construction & Building Inspectors	*	*	*	*	*	*	*	n/a	8
47-4021	Elevator Installers & Repairers	*	*	*	*	*	*	*	n/a	9
47-4031	Fence Erectors	*	*	*	*	*	*	*	n/a	10
47-4041	Hazardous Materials Removal Workers	*	*	*	*	*	*	*	n/a	10
47-4051	Highway Maintenance Workers	221	274	53	24.0	5	3	8	11.56	10
47-4061	Rail-Track Laying & Maint. Equipment Operators	*	*	*	*	*	*	*	n/a	10
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	*	*	*	*	*	*	*	n/a	10
47-4099	Construction & Related Workers, All Other	*	*	*	*	*	*	*	n/a	10
47-5000	Extraction Workers	84	95	11	13.1	1	2	3	n/a	n/a
47-5011	Derrick Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5012	Rotary Drill Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5013	Service Unit Operators, Oil, Gas & Mining	*	*	*	*	*	*	*	n/a	10
47-5021	Earth Drillers, Ex. Oil & Gas	53	60	7	13.2	1	1	2	n/a	10
47-5031	Explosives Worker, Ordnance Handling & Blaster	*	*	*	*	*	*	*	n/a	10
47-5041	Continuous Mining Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5042	Mine Cutting & Channeling Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	n/a	10
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	n/a	10
47-5061	Roof Bolters, Mining	*	*	*	*	*	*	*	n/a	10
47-5071	Roustabouts, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5081	Helpers--Extraction Workers	*	*	*	*	*	*	*	n/a	11
47-5099	Extraction Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Installation, Maintenance & Repair Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
49-0000 Installation, Maintenance & Repair Occupations		3,249	3,544	295	9.1	34	75	109	13.42	n/a
49-1000	Supervisors of Installation, Maint. & Repair	297	323	26	8.8	3	7	10	n/a	n/a
49-1011	Mgrs. of Mechanics, Installers & Repairers	297	323	26	8.8	3	7	10	18.28	8
49-2000	Electric. & Electron. Equip. Mechanics, Installer	195	209	14	7.2	2	4	6	n/a	n/a
49-2011	Computer, Auto. Teller & Office Machine Repairer	*	*	*	*	*	*	*	n/a	7
49-2021	Radio Mechanics	*	*	*	*	*	*	*	n/a	7
49-2022	Telecomm. Equip. Installers & Repairers	64	61	-3	-4.7	0	1	1	23.28	9
49-2091	Avionics Technicians	*	*	*	*	*	*	*	n/a	7
49-2092	Electric Motor, Power Tool & Related Repairers	*	*	*	*	*	*	*	n/a	7
49-2093	Electric. & Electron. Install & Repair, Transp.	*	*	*	*	*	*	*	n/a	7
49-2094	Electric. & Electron. Rep., Commercial & Industr.	*	*	*	*	*	*	*	n/a	7
49-2095	Electric. & Electron. Rep., Powerhouse, Substat.	*	*	*	*	*	*	*	n/a	7
49-2096	Electronic Equip. Install & Repair, Motor Vehicle	*	*	*	*	*	*	*	n/a	7
49-2097	Electronic Home Entertain. Equip. Install & Rep.	52	64	12	23.1	1	1	2	n/a	7
49-2098	Security & Fire Alarm Systems Installers	*	*	*	*	*	*	*	n/a	7
49-3000	Vehicle & Mobile Equip. Mechanics, Installers	915	1,037	122	13.3	12	24	36	n/a	n/a
49-3011	Aircraft Mechanics & Service Technicians	*	*	*	*	*	*	*	n/a	7
49-3021	Automotive Body & Related Repairers	65	70	5	7.7	1	1	2	10.48	9
49-3022	Automotive Glass Installers & Repairers	*	*	*	*	*	*	*	n/a	9
49-3023	Automotive Service Technicians & Mechanics	379	439	60	15.8	6	10	16	12.40	7
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	163	186	23	14.1	2	4	6	12.90	7
49-3041	Farm Equipment Mechanics	*	*	*	*	*	*	*	n/a	7
49-3042	Mobile Heavy Equip. Mechanics, Ex. Engines	110	118	8	7.3	1	2	3	12.17	7
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	n/a	9
49-3051	Motorboat Mechanics	41	49	8	19.5	1	1	2	n/a	9
49-3052	Motorcycle Mechanics	*	*	*	*	*	*	*	n/a	9
49-3053	Outdoor Power Equip. & Small Engine Mechanic	40	51	11	27.5	1	1	2	n/a	10
49-3091	Bicycle Repairers	*	*	*	*	*	*	*	n/a	10
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	n/a	9
49-3093	Tire Repairers & Changers	58	60	2	3.4	0	3	3	9.97	11

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Installation, Maintenance & Repair Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
49-9000	Other Installation, Maintenance & Repair Occs.	1,842	1,975	133	7.2	18	40	58	n/a	n/a
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	*	n/a	10
49-9012	Control & Valve Install & Repair, Ex. Mech. Door	130	143	13	10.0	1	3	4	n/a	10
49-9021	Heating, A.C. & Refrig. Mechanics & Installers	71	84	13	18.3	1	1	2	12.85	9
49-9031	Home Appliance Repairers	*	*	*	*	*	*	*	n/a	9
49-9041	Industrial Machinery Mechanics	366	354	-12	-3.3	0	7	7	14.43	9
49-9042	Maintenance & Repair Workers, General	834	952	118	14.1	12	16	28	12.09	10
49-9043	Maintenance Workers, Machinery	*	*	*	*	*	*	*	n/a	11
49-9044	Millwrights	*	*	*	*	*	*	*	n/a	9
49-9045	Refractory Materials Repairers, Ex. Brickmasons	*	*	*	*	*	*	*	n/a	10
49-9051	Electrical Power-Line Installers & Repairers	135	107	-28	-20.7	0	4	4	20.22	9
49-9052	Telecommunications Line Installers & Repairers	*	*	*	*	*	*	*	n/a	9
49-9061	Camera & Photographic Equipment Repairers	*	*	*	*	*	*	*	n/a	10
49-9062	Medical Equipment Repairers	*	*	*	*	*	*	*	n/a	6
49-9063	Musical Instrument Repairers & Tuners	*	*	*	*	*	*	*	n/a	9
49-9064	Watch Repairers	*	*	*	*	*	*	*	n/a	9
49-9069	Precision Instrument & Equip. Repairers, Other	*	*	*	*	*	*	*	n/a	10
49-9091	Coin, Vending & Amusement Mach. Serv. & Rep.	43	46	3	7.0	0	1	1	n/a	10
49-9092	Commercial Divers	*	*	*	*	*	*	*	n/a	10
49-9093	Fabric Menders, Ex. Garment	*	*	*	*	*	*	*	n/a	10
49-9094	Locksmiths & Safe Repairers	*	*	*	*	*	*	*	n/a	10
49-9095	Manufactured Building & Mobile Home Installers	*	*	*	*	*	*	*	n/a	10
49-9096	Riggers	*	*	*	*	*	*	*	n/a	11
49-9097	Signal & Track Switch Repairers	*	*	*	*	*	*	*	n/a	10
49-9098	Helpers--Installation, Maint. & Repair Workers	39	37	-2	-5.1	0	1	1	9.43	11
49-9099	Installation, Maint. & Repair Workers, All Other	85	94	9	10.6	1	2	3	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Production Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
51-0000 Production Occupations		11,484	11,159	-325	-2.8	89	271	360	11.01	n/a
51-1000	Supervisors, Production Workers	729	799	70	9.6	7	15	22	n/a	n/a
51-1011	Mgrs. of Production & Operating	729	799	70	9.6	7	15	22	18.06	8
51-2000	Assemblers & Fabricators	1,396	1,639	243	17.4	25	36	61	n/a	n/a
51-2011	Aircraft Structure, Surface, Rig & Sys. Assemb.	*	*	*	*	*	*	*	n/a	9
51-2021	Coil Winders, Tapers & Finishers	*	*	*	*	*	*	*	n/a	11
51-2022	Electrical & Electronic Equipment Assemblers	34	31	-3	-8.8	0	1	1	n/a	11
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	n/a	11
51-2031	Engine & Other Machine Assemblers	*	*	*	*	*	*	*	n/a	11
51-2041	Structural Metal Fabricators & Fitters	76	86	10	13.2	1	2	3	n/a	10
51-2091	Fiberglass Laminators & Fabricators	*	*	*	*	*	*	*	n/a	10
51-2092	Team Assemblers	1,105	1,339	234	21.2	23	29	52	n/a	10
51-2093	Timing Device Assemblers, Adjust. & Calibrators	*	*	*	*	*	*	*	n/a	10
51-2099	Assemblers & Fabricators, All Other	*	*	*	*	*	*	*	n/a	10
51-3000	Food Processing Workers	1,043	1,088	45	4.3	5	23	28	n/a	n/a
51-3011	Bakers	*	*	*	*	*	*	*	n/a	9
51-3021	Butchers & Meat Cutters	59	55	-4	-6.8	0	1	1	10.02	9
51-3022	Meat, Poultry & Fish Cutters & Trimmers	*	*	*	*	*	*	*	n/a	11
51-3023	Slaughterers & Meat Packers	*	*	*	*	*	*	*	n/a	10
51-3091	Food & Tobacco Roast., Baking, Dry. Mach. Ops.	*	*	*	*	*	*	*	n/a	11
51-3092	Food Batchmakers	53	51	-2	-3.8	0	1	1	n/a	11
51-3093	Food Cooking Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	11
51-4000	Metal Workers & Plastic Workers	2,116	2,160	44	2.1	16	55	71	n/a	n/a
51-4011	Computer-Controlled Machine Tool Operators	98	99	1	1.0	0	2	2	n/a	10
51-4012	Numerical Tool & Process Control Programmers	*	*	*	*	*	*	*	n/a	9
51-4021	Extruding & Drawing Machine SOT^	253	183	-70	-27.7	0	8	8	n/a	10
51-4022	Forging Machine SOT^, Metal & Plastic	*	*	*	*	*	*	*	14.57	10
51-4023	Rolling Machine SOT^, Metal & Plastic	42	50	8	19.0	1	1	2	n/a	10

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number Percent		Average Annual 2004-2014 Growth Separations Total				
51-4031	Cutting, Punching & Press Machine SOT^	213	194	-19	-8.9	0	5	5	10.20	10
51-4032	Drilling & Boring Machine Tool SOT^	74	79	5	6.8	1	2	3	n/a	10
51-4033	Grind., Lapping, Polish. & Buff. Mach. Tool SOT^	66	65	-1	-1.5	0	1	1	13.26	10
51-4034	Lathe & Turning Machine Tool SOT^	61	63	2	3.3	0	1	1	10.12	10
51-4035	Milling & Planing Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-4041	Machinists	125	136	11	8.8	1	3	4	13.24	9
51-4051	Metal-Refining Furnace Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-4052	Pourers & Casters, Metal	*	*	*	*	*	*	*	n/a	10
51-4061	Model Makers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4062	Patternmakers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4071	Foundry Mold & Coremakers	*	*	*	*	*	*	*	n/a	10
51-4072	Molding, Coremaking & Casting Machine SOT^	138	140	2	1.4	0	3	3	10.54	10
51-4081	Multiple Machine Tool SOT^, Metal & Plastic	103	118	15	14.6	2	3	5	n/a	10
51-4111	Tool & Die Makers	*	*	*	*	*	*	*	13.83	9
51-4121	Welders, Cutters, Solderers & Brazers	633	720	87	13.7	9	18	27	11.17	9
51-4122	Welding, Soldering & Brazing Machine SOT^	80	94	14	17.5	1	2	3	n/a	10
51-4191	Heat Treating Equipment SOT^, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4192	Lay-Out Workers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4193	Plating & Coating Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-4194	Tool Grinders, Filers & Sharpeners	*	*	*	*	*	*	*	n/a	10
51-4199	Metal Workers & Plastic Workers, All Other	114	91	-23	-20.2	0	3	3	n/a	10
51-5000	Printing Workers	70	67	-3	-4.3	0	2	2	n/a	n/a
51-5011	Bindery Workers	*	*	*	*	*	*	*	n/a	11
51-5012	Bookbinders	*	*	*	*	*	*	*	n/a	10
51-5021	Job Printers	*	*	*	*	*	*	*	n/a	9
51-5022	Prepress Technicians & Workers	*	*	*	*	*	*	*	9.20	7
51-5023	Printing Machine Operators	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
51-6000	Textile, Apparel & Furnishings Workers	1,729	749	-980	-56.7	0	27	27	n/a	n/a
51-6011	Laundry & Dry-Cleaning Workers	115	110	-5	-4.3	0	3	3	8.23	10
51-6021	Pressers, Textile, Garment & Related Materials	*	*	*	*	*	*	*	n/a	11
51-6031	Sewing Machine Operators	1,180	447	-733	-62.1	0	15	15	8.72	10
51-6041	Shoe & Leather Workers & Repairers	*	*	*	*	*	*	*	n/a	9
51-6042	Shoe Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-6051	Sewers, Hand	*	*	*	*	*	*	*	n/a	11
51-6052	Tailors, Dressmakers & Custom Sewers	*	*	*	*	*	*	*	n/a	9
51-6061	Textile Bleaching & Dyeing Mach. Ops. & Tends.	*	*	*	*	*	*	*	n/a	10
51-6062	Textile Cutting Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6063	Textile Knitting & Weaving Machine SOT^	125	32	-93	-74.4	0	1	1	n/a	9
51-6064	Textile Winding, Twist. & Draw. Out Mach. SOT^	*	*	*	*	*	*	*	n/a	10
51-6091	Extruding & Forming Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6092	Fabric & Apparel Patternmakers	*	*	*	*	*	*	*	n/a	9
51-6093	Upholsterers	*	*	*	*	*	*	*	n/a	9
51-6099	Textile, Apparel & Furnishings Workers, Other	*	*	*	*	*	*	*	n/a	11
51-7000	Woodworkers	1,689	1,832	143	8.5	15	45	60	n/a	n/a
51-7011	Cabinetmakers & Bench Carpenters	164	203	39	23.8	4	4	8	9.58	9
51-7021	Furniture Finishers	*	*	*	*	*	*	*	n/a	9
51-7031	Model Makers, Wood	*	*	*	*	*	*	*	n/a	9
51-7032	Patternmakers, Wood	*	*	*	*	*	*	*	n/a	9
51-7041	Sawing Machine SOT^, Wood	445	453	8	1.8	1	13	14	10.81	10
51-7042	Woodworking Machine SOT^	1,006	1,096	90	8.9	9	26	35	9.99	10
51-7099	Woodworkers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
51-8000	Plant & System Operators	180	205	25	13.9	3	5	8	n/a	n/a
51-8012	Power Distributors & Dispatchers	*	*	*	*	*	*	*	n/a	9
51-8013	Power Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8021	Stationary Engineers & Boiler Operators	47	57	10	21.3	1	1	2	17.03	9
51-8031	Water & Liquid Waste Treat. Plant & Sys. Ops.	87	101	14	16.1	1	3	4	12.80	9
51-8091	Chemical Plant & System Operators	*	*	*	*	*	*	*	n/a	9
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8093	Petroleum Pump System Ops., Refinery Ops.	*	*	*	*	*	*	*	n/a	9
51-8099	Plant & System Operators, All Other	*	*	*	*	*	*	*	n/a	9
51-9000	Other Production Occupations	2,532	2,620	88	3.5	18	63	81	n/a	n/a
51-9011	Chemical Equipment Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-9012	Separate, Filter, Clarify, & Still Machine Ops.	*	*	*	*	*	*	*	n/a	10
51-9021	Crush, Grind & Polish Machine Setters & Ops.	*	*	*	*	*	*	*	n/a	10
51-9022	Grinding & Polishing Workers, Hand	*	*	*	*	*	*	*	n/a	10
51-9023	Mixing & Blending Machine SOT^	97	93	-4	-4.1	0	3	3	11.73	10
51-9031	Cutters & Trimmers, Hand	*	*	*	*	*	*	*	11.02	11
51-9032	Cutting & Slicing Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-9041	Extruding, Form, Press & Compact Mach. Ops.	34	31	-3	-8.8	0	1	1	n/a	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Ops. & Tend.	59	68	9	15.3	1	1	2	12.41	10
51-9061	Inspector, Tester, Sorter, Sampler & Weigher	503	469	-34	-6.8	0	11	11	11.62	10
51-9071	Jewelers & Precious Stone & Metal Workers	*	*	*	*	*	*	*	n/a	7
51-9081	Dental Laboratory Technicians	*	*	*	*	*	*	*	n/a	9
51-9082	Medical Appliance Technicians	*	*	*	*	*	*	*	n/a	9
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	*	*	*	n/a	10
51-9111	Packaging & Filling Machine Ops. & Tenders	335	325	-10	-3.0	0	7	7	12.96	11
51-9121	Coating, Painting & Spraying Machine SOT^	164	168	4	2.4	0	4	4	12.13	10
51-9122	Painters, Transportation Equipment	*	*	*	*	*	*	*	11.54	9
51-9123	Painting, Coating & Decorating Workers	31	33	2	6.5	0	1	1	n/a	11
51-9131	Photographic Process Workers	*	*	*	*	*	*	*	n/a	10
51-9132	Photographic Processing Machine Operators	*	*	*	*	*	*	*	8.82	11

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014				
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
51-9191	Cementing & Gluing Machine Ops. & Tenders	84	104	20	23.8	2	2	4	n/a	10
51-9192	Cleaning, Washing & Metal Pickling Equip. Ops.	*	*	*	*	*	*	*	n/a	10
51-9193	Cooling & Freezing Equipment Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-9194	Etchers & Engravers	*	*	*	*	*	*	*	n/a	9
51-9195	Molders, Shapers & Casters, Ex. Metal & Plastic	214	183	-31	-14.5	0	5	5	n/a	10
51-9196	Paper Goods Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-9197	Tire Builders	*	*	*	*	*	*	*	n/a	10
51-9198	Helpers--Production Workers	694	813	119	17.1	12	20	32	9.65	11
51-9199	Production Workers, All Other	87	91	4	4.6	0	2	2	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76 ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Transportation & Material Moving Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
53-0000 Transportation & Material Moving Occupations		7,285	8,302	1,017	14.0	103	152	255	13.39	n/a
53-1000	Supervisors, Transp. & Material Moving Work.	211	244	33	15.6	3	5	8	n/a	n/a
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	n/a	8
53-1021	Mgrs. of Helpers, Laborers & Mat. Movers, Hand	109	125	16	14.7	2	3	5	15.27	8
53-1031	Mgrs. of Transp., Material-Moving & Vehicle Ops.	102	119	17	16.7	2	2	4	19.09	8
53-2000	Air Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-2011	Airline Pilots, Copilots & Flight Engineers	*	*	*	*	*	*	*	n/a	5
53-2012	Commercial Pilots	*	*	*	*	*	*	*	n/a	7
53-2021	Air Traffic Controllers	*	*	*	*	*	*	*	n/a	9
53-2022	Airfield Operations Spec.	*	*	*	*	*	*	*	n/a	9
53-3000	Motor Vehicle Operators	3,936	4,693	757	19.2	76	60	136	n/a	n/a
53-3011	Ambulance Drivers & Attendants, Ex. EMTs	*	*	*	*	*	*	*	n/a	10
53-3021	Bus Drivers, Transit & Intercity	42	52	10	23.8	1	1	2	n/a	10
53-3022	Bus Drivers, School	475	550	75	15.8	8	10	18	11.66	11
53-3031	Driver/Sales Workers	387	437	50	12.9	5	6	11	n/a	11
53-3032	Truck Drivers, Heavy & Tractor-Trailer	2,078	2,509	431	20.7	43	34	77	19.34	10
53-3033	Truck Drivers, Light or Delivery Services	836	1,028	192	23.0	19	8	27	13.11	11
53-3041	Taxi Drivers & Chauffeurs	116	114	-2	-1.7	0	1	1	7.21	11
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	n/a	11
53-4000	Rail Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	10
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	10
53-4013	Rail Yard Engineers, Dinkey Ops. & Hostlers	*	*	*	*	*	*	*	n/a	10
53-4021	Railroad Brake, Signal & Switch Operators	*	*	*	*	*	*	*	n/a	10
53-4031	Railroad Conductors & Yardmasters	*	*	*	*	*	*	*	n/a	10
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	10
53-5000	Water Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-5011	Sailors & Marine Oilers	*	*	*	*	*	*	*	n/a	11
53-5021	Captains, Mates & Pilots of Water Vessels	*	*	*	*	*	*	*	n/a	8
53-5022	Motorboat Operators	*	*	*	*	*	*	*	n/a	10
53-5031	Ship Engineers	*	*	*	*	*	*	*	n/a	7

* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Lake Cumberland Area

Occupational Employment Outlook

Transportation & Material Moving Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
53-6000	Other Transportation Workers	41	43	2	4.9	0	2	2	n/a	n/a
53-6011	Bridge & Lock Tenders	*	*	*	*	*	*	*	n/a	11
53-6021	Parking Lot Attendants	*	*	*	*	*	*	*	n/a	11
53-6031	Service Station Attendants	35	37	2	5.7	0	2	2	6.56	11
53-6041	Traffic Technicians	*	*	*	*	*	*	*	n/a	11
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	n/a	8
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	11
53-7000	Material Moving Workers	3,051	3,277	226	7.4	24	84	108	n/a	n/a
53-7011	Conveyor Operators & Tenders	37	45	8	21.6	1	1	2	12.25	11
53-7021	Crane & Tower Operators	*	*	*	*	*	*	*	n/a	9
53-7031	Dredge Operators	*	*	*	*	*	*	*	n/a	10
53-7032	Excavating & Loading Machine & Dragline Ops.	30	36	6	20.0	1	1	2	n/a	10
53-7033	Loading Machine Ops., Underground Mining	*	*	*	*	*	*	*	n/a	10
53-7041	Hoist & Winch Operators	*	*	*	*	*	*	*	n/a	10
53-7051	Industrial Truck & Tractor Operators	641	730	89	13.9	9	12	21	11.44	11
53-7061	Cleaners of Vehicles & Equipment	86	91	5	5.8	1	3	4	7.33	11
53-7062	Laborer & Freight, Stock & Material Mover, Hand	1,498	1,594	96	6.4	10	49	59	9.41	11
53-7063	Machine Feeders & Offbearers	359	352	-7	-1.9	0	10	10	10.13	11
53-7064	Packers & Packagers, Hand	333	357	24	7.2	2	6	8	9.02	11
53-7071	Gas Compressor & Gas Pumping Station Ops.	*	*	*	*	*	*	*	n/a	10
53-7072	Pump Operators, Ex. Wellhead Pumpers	*	*	*	*	*	*	*	n/a	10
53-7073	Wellhead Pumpers	*	*	*	*	*	*	*	n/a	10
53-7081	Refuse & Recyclable Material Collectors	40	44	4	10.0	0	1	1	n/a	11
53-7111	Shuttle Car Operators	*	*	*	*	*	*	*	n/a	11
53-7121	Tank Car, Truck & Ship Loaders	*	*	*	*	*	*	*	n/a	10
53-7199	Material Moving Workers, All Other	*	*	*	*	*	*	*	n/a	10

* Employment under 30 and unreliable data suppressed n/a - Not Available ~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

Educational/Training Classifications

Occupations are classified into 11 categories and listed according to these principles:

An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.

Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.

The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a postsecondary award generally is needed for entry.

Postsecondary awards

(1) *First professional degree.* Completion of the degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

(2) *Doctoral degree.* Completion of a Ph.D. or other doctoral degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

(3) *Master's degree.* Completion of the degree usually requires one or two years of full time academic study beyond a bachelor's degree.

(4) *Bachelor's or higher degree, plus work experience.* Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(5) *Bachelor's degree.* Completion of the degree generally requires at least four years, but not more than five years, of full-time academic study.

(6) *Associate's degree.* Completion of the degree usually requires at least two years of full-time academic study.

(7) *Postsecondary vocational awards.* Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) *Work experience in a related occupation.* Many occupations requiring work experience are managers of service, sales and related, production, or other occupations, or are management occupations.

(9) *Long-term, on-the-job training.* More than 12 months of on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to five years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations - insurance sales and securities sales, for example - trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability - such as that possessed by musicians, athletes, actors, and other entertainers - that must be cultivated over several years, frequently in a nonwork setting.

(10) *Moderate-term, on-the-job training.* Skills needed to be fully qualified can be acquired during one to twelve months of combined on-the-job experience and informal training.

(11) *Short-term, on-the-job training.* Skills needed to be fully qualified can be acquired during a short demonstration of job duties or during one month or less of on-the-job experience or instruction.

Occupational Title	Page
A	
Accountants & Auditors	13
Actors	24
Actuaries	14
Administrative Law Judges, Adjudicators, & Hearing Officers	20
Administrative Services Managers	11
Adult Literacy, Remedial Education, & GED Teachers & Instructors	23
Advertising & Promotions Managers	11
Advertising Sales Agents	34
Advertising, Marketing, Promotions, Public Relations, & Sales Managers	11
Aerospace Engineering & Operations Technicians	16
Aerospace Engineers	15
Agents & Business Managers of Artists, Performers, & Athletes	13
Agricultural & Food Science Technicians	18
Agricultural Engineers	15
Agricultural Equipment Operators	37
Agricultural Inspectors	37
Agricultural Sciences Teachers, Postsecondary	21
Agricultural Workers	37
Agricultural Workers, All Other	37
Air Traffic Controllers	47
Air Transportation Workers	47
Aircraft Cargo Handling Supervisors	47
Aircraft Mechanics & Service Technicians	40
Aircraft Structure, Surfaces, Rigging, & Systems Assemblers	42
Airfield Operations Specialists	47
Airline Pilots, Copilots, & Flight Engineers	47
Ambulance Drivers & Attendants, Except Emergency Medical Technicians	47
Amusement & Recreation Attendants	32
Anesthesiologists	26
Animal Breeders	37
Animal Care & Service Workers	32
Animal Control Workers	29
Animal Scientists	17
Animal Trainers	32
Anthropologists & Archeologists	18
Anthropology & Archeology Teachers, Postsecondary	21
Appraisers & Assessors of Real Estate	13
Arbitrators, Mediators, & Conciliators	20
Architects, Except Landscape & Naval	15
Architects, Surveyors, & Cartographers	15
Architectural & Civil Drafters	16
Architecture & Engineering Occupations	15
Architecture Teachers, Postsecondary	21
Archivists	23
Area, Ethnic, & Cultural Studies Teachers, Postsecondary	21
Art & Design Workers	24
Art Directors	24
Art, Drama, & Music Teachers, Postsecondary	22
Artists & Related Workers, All Other	24
Arts, Design, Entertainment, Sports, & Media Occupations	24

Occupational Title	Page
Assemblers & Fabricators	42
Assemblers & Fabricators, All Other	42
Astronomers	17
Athletes & Sports Competitors	24
Athletic Trainers	27
Atmospheric & Space Scientists	17
Atmospheric, Earth, Marine, & Space Sciences Teachers, Postsecondary	21
Audio & Video Equipment Technicians	25
Audiologists	26
Audio-Visual Collections Specialists	23
Automotive Body & Related Repairers	40
Automotive Glass Installers & Repairers	40
Automotive Service Technicians & Mechanics	40
Avionics Technicians	40
B	
Bailiffs	29
Bakers	42
Barbers	32
Bartenders	30
Bicycle Repairers	40
Bill & Account Collectors	35
Billing & Posting Clerks & Machine Operators	35
Bindery Workers	43
Biochemists & Biophysicists	17
Biological Science Teachers, Postsecondary	21
Biological Scientists, All Other	17
Biological Technicians	18
Biomedical Engineers	15
Boilermakers	38
Bookbinders	43
Bookkeeping, Accounting, & Auditing Clerks	35
Brickmasons & Blockmasons	38
Bridge & Lock Tenders	48
Broadcast News Analysts	25
Broadcast Technicians	25
Brokerage Clerks	35
Budget Analysts	13
Building & Grounds Cleaning & Maintenance Occupations	31
Building Cleaning & Pest Control Workers	31
Building Cleaning Workers, All Other	31
Bus & Truck Mechanics & Diesel Engine Specialists	40
Bus Drivers, School	47
Bus Drivers, Transit & Intercity	47
Business & Financial Operations Occupations	13
Business Operations Specialists	13
Business Operations Specialists, All Other	13
Business Teachers, Postsecondary	21
Butchers & Meat Cutters	42

Occupational Title	Page
--------------------	------

C

Cabinetmakers & Bench Carpenters	44
Camera & Photographic Equipment Repairers	41
Camera Operators, Television, Video, & Motion Picture	25
Captains, Mates, & Pilots of Water Vessels	47
Cardiovascular Technologists & Technicians	27
Cargo & Freight Agents	36
Carpenters	38
Carpet Installers	38
Cartographers & Photogrammetrists	15
Cashiers	34
Cement Masons & Concrete Finishers	38
Cementing & Gluing Machine Operators & Tenders	46
Chefs & Head Cooks	30
Chemical Engineers	15
Chemical Equipment Operators & Tenders	45
Chemical Plant & System Operators	45
Chemical Technicians	18
Chemistry Teachers, Postsecondary	21
Chemists	17
Chief Executives	11
Child Care Workers	33
Child, Family, & School Social Workers	19
Chiropractors	26
Choreographers	24
Civil Engineering Technicians	16
Civil Engineers	15
Claims Adjusters, Examiners, & Investigators	13
Cleaners of Vehicles & Equipment	48
Cleaning, Washing, & Metal Pickling Equipment Operators & Tenders	46
Clergy	19
Clinical, Counseling, & School Psychologists	18
Coaches & Scouts	24
Coating, Painting, & Spraying Machine Setters, Operators, & Tenders	45
Coil Winders, Tapers, & Finishers	42
Coin, Vending, & Amusement Machine Servicers & Repairers	41
Combined Food Preparation & Serving Workers, Including Fast Food	30
Commercial & Industrial Designers	24
Commercial Divers	41
Commercial Pilots	47
Communications Equipment Operators	35
Communications Equipment Operators, All Other	35
Communications Teachers, Postsecondary	22
Community & Social Service Specialists, All Other	19
Community & Social Services Occupations	19
Compensation & Benefits Managers	11
Compensation, Benefits, & Job Analysis Specialists	13
Compliance Officers, Except Agriculture, Construction, Health & Safety, & Transportation	13
Computer & Information Scientists, Research	14

Occupational Title	Page
--------------------	------

Computer & Information Scientists, Research	11
Computer & Information Systems Managers	14
Computer & Mathematical Occupations	15
Computer Hardware Engineers	36
Computer Operators	14
Computer Programmers	21
Computer Science Teachers, Postsecondary	14
Computer Software Engineers, Applications	14
Computer Software Engineers, Systems Software	14
Computer Specialists	14
Computer Specialists, All Other	14
Computer Support Specialists	14
Computer Systems Analysts	40
Computer, Automated Teller, & Office Machine Repairers	42
Computer-Controlled Machine Tool Operators, Metal & Plastic	32
Concierges	17
Conservation Scientists	39
Construction & Building Inspectors	38
Construction & Extraction Occupations	39
Construction & Related Workers, All Other	38
Construction Laborers	12
Construction Managers	38
Construction Trades Workers	39
Continuous Mining Machine Operators	41
Control & Valve Installers & Repairers, Except Mechanical Door	48
Conveyor Operators & Tenders	30
Cooks & Food Preparation Workers	30
Cooks, All Other	30
Cooks, Fast Food	30
Cooks, Institution & Cafeteria	30
Cooks, Private Household	30
Cooks, Restaurant	30
Cooks, Short Order	46
Cooling & Freezing Equipment Operators & Tenders	29
Correctional Officers & Jailers	35
Correspondence Clerks	13
Cost Estimators	32
Costume Attendants	19
Counselors, All Other	19
Counselors, Social Workers, & Other Community & Social Service Specialists	34
Counter & Rental Clerks	30
Counter Attendants, Cafeteria, Food Concession, & Coffee Shop	36
Couriers & Messengers	20
Court Reporters	35
Court, Municipal, & License Clerks	24
Craft Artists	48
Crane & Tower Operators	13
Credit Analysts	35
Credit Authorizers, Checkers, & Clerks	22
Criminal Justice & Law Enforcement Teachers, Postsecondary	
Crossing Guards	29

Occupational Title	Page
Crushing, Grinding, & Polishing Machine Setters, Operators	45
Curators	23
Customer Service Representatives	35
Cutters & Trimmers, Hand	45
Cutting & Slicing Machine Setters, Operators, & Tenders	45
Cutting, Punching, & Press Machine Setters, Operators, & Tenders, Metal & Plastic	43

D

Dancers	24
Data Entry Keyers	36
Database Administrators	14
Demonstrators & Product Promoters	34
Dental Assistants	28
Dental Hygienists	27
Dental Laboratory Technicians	45
Dentists, General	26
Derrick Operators, Oil & Gas	39
Designers, All Other	24
Desktop Publishers	36
Detectives & Criminal Investigators	29
Diagnostic Medical Sonographers	27
Dietetic Technicians	27
Dietitians & Nutritionists	26
Dining Room & Cafeteria Attendants & Bartender Helpers	30
Directors, Religious Activities & Education	19
Dishwashers	30
Dispatchers, Except Police, Fire, & Ambulance	36
Door-To-Door Sales Workers, News & Street Vendors, & Related Workers	34
Drafters, All Other	16
Drafters, Engineering, & Mapping Technicians	16
Dredge Operators	48
Drilling & Boring Machine Tool Setters, Operators, & Tenders	43
Driver/Sales Workers	47
Drywall & Ceiling Tile Installers	38

E

Earth Drillers, Except Oil & Gas	39
Economics Teachers, Postsecondary	21
Economists	18
Editors	25
Education Administrators, All Other	12
Education Administrators, Elementary & Secondary School	12
Education Administrators, Postsecondary	12
Education Administrators, Preschool & Child Care Center/Program	12
Education Teachers, Postsecondary	21
Education, Training, & Library Occupations	21
Education, Training, & Library Workers, All Other	23

Occupational Title	Page
Educational, Vocational, & School Counselors	19
Electric Motor, Power Tool, & Related Repairers	40
Electrical & Electronic Engineering Technicians	16
Electrical & Electronic Equipment Assemblers	42
Electrical & Electronic Equipment Mechanics, Installers, & Repairers	40
Electrical & Electronics Drafters	16
Electrical & Electronics Installers & Repairers, Transportation Equipment	40
Electrical & Electronics Repairers, Commercial & Industrial Equipment	40
Electrical & Electronics Repairers, Powerhouse, Substation	40
Electrical Engineers	15
Electrical Power-Line Installers & Repairers	41
Electricians	38
Electromechanical Equipment Assemblers	42
Electro-Mechanical Technicians	16
Electronic Equipment Installers & Repairers, Motor Vehicle	40
Electronic Home Entertainment Equipment Installers & Repairers	40
Electronics Engineers, Except Computer	15
Elementary School Teachers, Except Special Education	22
Elevator Installers & Repairers	39
Eligibility Interviewers, Government Programs	35
Embalmers	32
Emergency Management Specialists	13
Emergency Medical Technicians & Paramedics	27
Employment, Recruitment, & Placement Specialists	13
Engine & Other Machine Assemblers	42
Engineering Managers	12
Engineering Teachers, Postsecondary	21
Engineering Technicians, Except Drafters, All Other	16
Engineers	15
Engineers, All Other	15
English Language & Literature Teachers, Postsecondary	22
Entertainers & Performers, Sports & Related Workers	24
Entertainers & Performers, Sports & Related Workers, All	24
Entertainment Attendants & Related Workers	32
Entertainment Attendants & Related Workers, All Other	32
Environmental Engineering Technicians	16
Environmental Engineers	15
Environmental Science & Protection Technicians, Including Health	18
Environmental Scientists & Specialists, Including Health	17
Epidemiologists	17
Etchers & Engravers	46
Excavating & Loading Machine & Dragline Operators	48
Executive Secretaries & Administrative Assistants	36
Explosives Workers, Ordnance Handling Experts, & Blasters	39
Extraction Workers	39
Extraction Workers, All Other	39
Extruding & Drawing Machine Setters, Operators, & Tender	42
Extruding & Forming Machine Setters, Operators, & Tender	44
Extruding, Forming, Pressing, & Compacting Machine Setters	45

Occupational Title	Page
F	
Fabric & Apparel Patternmakers	44
Fabric Menders, Except Garment	41
Fallers	37
Family & General Practitioners	26
Farm & Home Management Advisors	23
Farm Equipment Mechanics	40
Farm Labor Contractors	37
Farm, Ranch, & Other Agricultural Managers	12
Farmers & Ranchers	12
Farming, Fishing, & Forestry Occupations	37
Farmworkers & Laborers, Crop, Nursery, & Greenhouse	37
Farmworkers, Farm & Ranch Animals	37
Fashion Designers	24
Fence Erectors	39
Fiberglass Laminators & Fabricators	42
File Clerks	35
Film & Video Editors	25
Financial Analysts	13
Financial Clerks	35
Financial Examiners	13
Financial Managers	11
Financial Specialists	13
Financial Specialists, All Other	13
Fine Artists, Including Painters, Sculptors, & Illustrators	24
Fire Fighters	29
Fire Fighting & Prevention Workers	29
Fire Inspectors & Investigators	29
First-Line Supervisors/Managers of Construction Trades & Extraction Workers	38
First-Line Supervisors/Managers of Correctional Officers	29
First-Line Supervisors/Managers of Farming, Fishing, & Forestry Workers	37
First-Line Supervisors/Managers of Fire Fighting & Prevention Workers	29
First-Line Supervisors/Managers of Food Preparation & Serving Workers	30
First-Line Supervisors/Managers of Helpers, Laborers, & Material Movers, Hand	47
First-Line Supervisors/Managers of Housekeeping & Janitorial Workers	31
First-Line Supervisors/Managers of Landscaping, Lawn Service, & Groundskeeping Workers	31
First-Line Supervisors/Managers of Mechanics, Installers, & Repairers	40
First-Line Supervisors/Managers of Non-Retail Sales Workers	34
First-Line Supervisors/Managers of Office & Administrative Support Workers	35
First-Line Supervisors/Managers of Personal Service Workers	32
First-Line Supervisors/Managers of Police & Detectives	29
First-Line Supervisors/Managers of Production & Operating	42
First-Line Supervisors/Managers of Retail Sales Workers	34
First-Line Supervisors/Managers of Transportation & Material Moving Occupations	47
First-Line Supervisors/Managers, Protective Service Workers	29
First-Line Supervisors/Managers, Protective Service Workers, All Other	29
Fish & Game Wardens	29
Fishing & Hunting Workers	37

Occupational Title	Page
Fishers & Related Fishing Workers	37
Fitness Trainers & Aerobics Instructors	33
Flight Attendants	32
Floor Layers, Except Carpet, Wood, & Hard Tiles	38
Floor Sanders & Finishers	38
Floral Designers	24
Food & Beverage Serving Workers	30
Food & Tobacco Roasting, Baking, & Drying Machine Operators & Tenders	42
Food Batchmakers	42
Food Cooking Machine Operators & Tenders	42
Food Preparation & Serving Related Occupations	30
Food Preparation & Serving Related Workers, All Other	30
Food Preparation Workers	30
Food Processing Workers	42
Food Scientists & Technologists	17
Food Servers, Nonrestaurant	30
Food Service Managers	12
Foreign Language & Literature Teachers, Postsecondary	22
Forensic Science Technicians	18
Forest & Conservation Technicians	18
Forest & Conservation Workers	37
Forest Fire Inspectors & Prevention Specialists	29
Forest, Conservation, & Logging Workers	37
Foresters	17
Forestry & Conservation Science Teachers, Postsecondary	21
Forging Machine Setters, Operators, & Tenders, Metal & Plastic	42
Foundry Mold & Coremakers	43
Funeral Attendants	32
Funeral Directors	12
Funeral Service Workers	32
Furnace, Kiln, Oven, Drier, & Kettle Operators & Tenders	45
Furniture Finishers	44
G	
Gaming & Sports Book Writers & Runners	32
Gaming Change Persons & Booth Cashiers	34
Gaming Supervisors	32
Gaming Surveillance Officers & Gaming Investigators	29
Gas Compressor & Gas Pumping Station Operators	48
Gas Plant Operators	45
General & Operations Managers	11
Geographers	18
Geography Teachers, Postsecondary	21
Geological & Petroleum Technicians	18
Geoscientists, Except Hydrologists & Geographers	17
Glaziers	38
Graders & Sorters, Agricultural Products	37
Graduate Teaching Assistants	22
Graphic Designers	24

Occupational Title	Page
Grinding & Polishing Workers, Hand	45
Grinding, Lapping, Polishing, & Buffing Machine Tool Setters, Operators, & Tenders, Metal & Plastic	43
Grounds Maintenance Workers	31
Grounds Maintenance Workers, All Other	31
H	
Hairdressers, Hairstylists, & Cosmetologists	32
Hazardous Materials Removal Workers	39
Health & Safety Engineers, Except Mining Safety Engineers	15
Health Diagnosing & Treating Practitioners	26
Health Diagnosing & Treating Practitioners, All Other	26
Health Educators	19
Health Specialties Teachers, Postsecondary	21
Health Technologists & Technicians	27
Health Technologists & Technicians, All Other	27
Healthcare Practitioners & Technical Occupations	26
Healthcare Practitioners & Technical Workers, All Other	27
Healthcare Support Occupations	28
Healthcare Support Workers, All Other	28
Heat Treating Equipment Setters, Operators, & Tenders, Metal & Plastic	43
Heating, Air Conditioning, & Refrigeration Mechanics & Installers	41
Helpers, Construction Trades	39
Helpers, Construction Trades, All Other	39
Helpers—Brickmasons, Blockmasons, Stonemasons, & Tile & Marble Setters	39
Helpers—Carpenters	39
Helpers—Electricians	39
Helpers—Extraction Workers	39
Helpers—Installation, Maintenance, & Repair Workers	41
Helpers—Painters, Paperhangers, Plasterers, & Stucco Masons	39
Helpers—Pipelayers, Plumbers, Pipefitters, & Steamfitters	39
Helpers—Production Workers	46
Helpers—Roofers	39
Highway Maintenance Workers	39
Historians	18
History Teachers, Postsecondary	22
Hoist & Winch Operators	48
Home Appliance Repairers	41
Home Economics Teachers, Postsecondary	22
Home Health Aides	28
Hosts & Hostesses, Restaurant, Lounge, & Coffee Shop	30
Hotel, Motel, & Resort Desk Clerks	35
Human Resources Assistants, Except Payroll & Timekeeping	35
Human Resources Managers, All Other	11
Human Resources, Training, & Labor Relations Specialists, All Other	13
Hydrologists	17

Occupational Title	Page
I	
Industrial Engineering Technicians	16
Industrial Engineers	15
Industrial Machinery Mechanics	41
Industrial Production Managers	11
Industrial Truck & Tractor Operators	48
Information & Record Clerks	35
Information & Record Clerks, All Other	35
Inspectors, Testers, Sorters, Samplers, & Weighers	45
Installation, Maintenance, & Repair Occupations	40
Installation, Maintenance, & Repair Workers, All Other	41
Instructional Coordinators	23
Insulation Workers, Floor, Ceiling, & Wall	38
Insulation Workers, Mechanical	38
Insurance Appraisers, Auto Damage	13
Insurance Claims & Policy Processing Clerks	36
Insurance Sales Agents	34
Insurance Underwriters	13
Interior Designers	24
Internists, General	26
Interpreters & Translators	25
Interviewers, Except Eligibility & Loan	35
J	
Janitors & Cleaners, Except Maids & Housekeeping Cleaners	31
Jewelers & Precious Stone & Metal Workers	45
Job Printers	43
Judges, Magistrate Judges, & Magistrates	20
K	
Kindergarten Teachers, Except Special Education	22
L	
Laborers & Freight, Stock, & Material Movers, Hand	48
Landscape Architects	15
Landscaping & Groundskeeping Workers	31
Lathe & Turning Machine Tool Setters, Operators, & Tenders, Metal & Plastic	43
Laundry & Dry-Cleaning Workers	44
Law Clerks	20
Law Enforcement Workers	29
Law Teachers, Postsecondary	22
Lawyers	20
Lawyers, Judges, & Related Workers	20
Lay-Out Workers, Metal & Plastic	43
Legal Occupations	20

Occupational Title	Page
Legal Secretaries	36
Legal Support Workers	20
Legal Support Workers, All Other	20
Legislators	11
Librarians	23
Librarians, Curators, & Archivists	23
Library Assistants, Clerical	35
Library Science Teachers, Postsecondary	21
Library Technicians	23
Licensed Practical & Licensed Vocational Nurses	27
Life Scientists	17
Life Scientists, All Other	17
Life, Physical, & Social Science Occupations	17
Life, Physical, & Social Science Technicians	18
Life, Physical, & Social Science Technicians, All Other	18
Lifeguards, Ski Patrol, & Other Recreational Protective Service Workers	29
Loading Machine Operators, Underground Mining	48
Loan Counselors	13
Loan Interviewers & Clerks	35
Loan Officers	13
Locker Room, Coatroom, & Dressing Room Attendants	32
Locksmiths & Safe Repairers	41
Locomotive Engineers	47
Locomotive Engineers	47
Locomotive Firers	47
Lodging Managers	12
Log Graders & Scalars	37
Logging Equipment Operators	37
Logging Workers, All Other	37
Logisticians	13
M	
Machine Feeders & Offbearers	48
Machinists	43
Maids & Housekeeping Cleaners	31
Mail Clerks & Mail Machine Operators, Except Postal Service	36
Maintenance & Repair Workers, General	41
Maintenance Workers, Machinery	41
Makeup Artists, Theatrical & Performance	32
Management Analysts	13
Management Occupations	11
Managers, All Other	12
Manicurists & Pedicurists	32
Manufactured Building & Mobile Home Installers	41
Marine Engineers & Naval Architects	15
Market Research Analysts	18
Marketing Managers	11
Marriage & Family Therapists	19
Massage Therapists	28

Occupational Title	Page
Material Moving Workers	48
Material Moving Workers, All Other	48
Material Recording, Scheduling, Dispatching, & Distributing Workers	36
Materials Engineers	15
Materials Scientists	17
Mathematical Science Occupations, All Other	14
Mathematical Science Teachers, Postsecondary	21
Mathematical Scientists	14
Mathematicians	14
Meat, Poultry, & Fish Cutters & Trimmers	42
Mechanical Door Repairers	41
Mechanical Drafters	16
Mechanical Engineering Technicians	16
Mechanical Engineers	15
Media & Communication Equipment Workers	25
Media & Communication Equipment Workers, All Other	25
Media & Communication Workers	25
Media & Communication Workers, All Other	25
Medical & Clinical Laboratory Technicians	27
Medical & Clinical Laboratory Technologists	27
Medical & Health Services Managers	12
Medical & Public Health Social Workers	19
Medical Appliance Technicians	45
Medical Assistants	28
Medical Equipment Preparers	28
Medical Equipment Repairers	41
Medical Records & Health Information Technicians	27
Medical Scientists, Except Epidemiologists	17
Medical Secretaries	36
Medical Transcriptionists	28
Meeting & Convention Planners	13
Mental Health & Substance Abuse Social Workers	19
Mental Health Counselors	19
Merchandise Displayers & Window Trimmers	24
Metal Workers & Plastic Workers	42
Metal Workers & Plastic Workers, All Other	43
Metal-Refining Furnace Operators & Tenders	43
Meter Readers, Utilities	36
Microbiologists	17
Middle School Teachers, Except Special & Vocational Education	22
Milling & Planing Machine Setters, Operators, & Tenders, Metal & Plastic	43
Millwrights	41
Mine Cutting & Channeling Machine Operators	39
Mining & Geological Engineers, Including Mining Safety Engineers	15
Mining Machine Operators, All Other	39
Mixing & Blending Machine Setters, Operators, & Tenders	45
Mobile Heavy Equipment Mechanics, Except Engines	40
Model Makers, Metal & Plastic	43
Model Makers, Wood	44
Models	34

Occupational Title	Page
Molders, Shapers, & Casters, Except Metal & Plastic	46
Molding, Coremaking, & Casting Machine Setters, Operators, & Tenders, Metal & Plastic	43
Motion Picture Projectionists	32
Motor Vehicle Operators	47
Motor Vehicle Operators, All Other	47
Motorboat Mechanics	40
Motorboat Operators	47
Motorcycle Mechanics	40
Multi-Media Artists & Animators	24
Multiple Machine Tool Setters, Operators, & Tenders, Metal & Plastic	43
Museum Technicians & Conservators	23
Music Directors & Composers	24
Musical Instrument Repairers & Tuners	41
Musicians & Singers	24
N	
Natural Sciences Managers	12
Network & Computer Systems Administrators	14
Network Systems & Data Communications Analysts	14
New Accounts Clerks	35
Nonfarm Animal Caretakers	32
Nuclear Engineers	15
Nuclear Medicine Technologists	27
Numerical Tool & Process Control Programmers	42
Nursing Aides, Orderlies, & Attendants	28
Nursing Instructors & Teachers, Postsecondary	21
Nursing, Psychiatric, & Home Health Aides	28
O	
Obstetricians & Gynecologists	26
Occupational & Physical Therapist Assistants & Aides	28
Occupational Health & Safety Specialists	27
Occupational Health & Safety Technicians	27
Occupational Therapist Aides	28
Occupational Therapist Assistants	28
Occupational Therapists	26
Office & Administrative Support Occupations	35
Office & Administrative Support Workers, All Other	36
Office Clerks, General	36
Office Machine Operators, Except Computer	36
Operating Engineers & Other Construction Equipment Operators	38
Operations Research Analysts	14
Operations Specialties Managers	11
Ophthalmic Laboratory Technicians	45
Opticians, Dispensing	27
Optometrists	26
Oral & Maxillofacial Surgeons	26

Occupational Title	Page
Order Clerks	35
Orthodontists	26
Orthotists & Prosthetists	27
Other Construction & Related Workers	39
Other Education, Training, & Library Occupations	23
Other Food Preparation & Serving Related Workers	30
Other Healthcare Practitioners & Technical Occupations	27
Other Healthcare Support Occupations	28
Other Installation, Maintenance, & Repair Occupations	41
Other Management Occupations	12
Other Office & Administrative Support Workers	36
Other Personal Care & Service Workers	33
Other Production Occupations	45
Other Protective Service Workers	29
Other Sales & Related Workers	34
Other Teachers & Instructors	23
Other Transportation Workers	48
Outdoor Power Equipment & Other Small Engine Mechanics	40
P	
Packaging & Filling Machine Operators & Tenders	45
Packers & Packagers, Hand	48
Painters, Construction & Maintenance	38
Painters, Transportation Equipment	45
Painting, Coating, & Decorating Workers	45
Paper Goods Machine Setters, Operators, & Tenders	46
Paperhangers	38
Paralegals & Legal Assistants	20
Parking Enforcement Workers	29
Parking Lot Attendants	48
Parts Salespersons	34
Patternmakers, Metal & Plastic	43
Patternmakers, Wood	44
Paving, Surfacing, & Tamping Equipment Operators	38
Payroll & Timekeeping Clerks	35
Pediatricians, General	26
Personal & Home Care Aides	33
Personal Appearance Workers	32
Personal Care & Service Occupations	32
Personal Care & Service Workers, All Other	33
Personal Financial Advisors	13
Pest Control Workers	31
Pesticide Handlers, Sprayers, & Applicators, Vegetation	31
Petroleum Engineers	15
Petroleum Pump System Operators, Refinery Operators, & Gaugers	45
Pharmacists	26
Pharmacy Aides	28
Pharmacy Technicians	27
Philosophy & Religion Teachers, Postsecondary	22

Occupational Title	Page
Photographers	25
Photographic Process Workers	45
Photographic Processing Machine Operators	45
Physical Scientists	17
Physical Scientists, All Other	17
Physical Therapist Aides	28
Physical Therapist Assistants	28
Physical Therapists	26
Physician Assistants	26
Physicians & Surgeons	26
Physicists	17
Physics Teachers, Postsecondary	21
Pile-Driver Operators	38
Pipelayers	38
Plant & System Operators	45
Plant & System Operators, All Other	45
Plasterers & Stucco Masons	38
Plating & Coating Machine Setters, Operators, & Tenders, Metal & Plastic	43
Plumbers, Pipefitters, & Steamfitters	38
Podiatrists	26
Police & Sheriff's Patrol Officers	29
Police, Fire, & Ambulance Dispatchers	36
Political Science Teachers, Postsecondary	21
Political Scientists	18
Postal Service Clerks	36
Postal Service Mail Carriers	36
Postal Service Mail Sorters, Processors, & Processing Machine Operators	36
Postmasters & Mail Superintendents	12
Postsecondary Teachers	21
Postsecondary Teachers, All Other	22
Pourers & Casters, Metal	43
Power Distributors & Dispatchers	45
Power Plant Operators	45
Precision Instrument & Equipment Repairers, All Other	41
Prepress Technicians & Workers	43
Preschool Teachers, Except Special Education	22
Pressers, Textile, Garment, & Related Materials	44
Primary, Secondary, & Special Education School Teachers	22
Printing Machine Operators	43
Printing Workers	43
Private Detectives & Investigators	29
Probation Officers & Correctional Treatment Specialists	19
Procurement Clerks	35
Producers & Directors	24
Production Occupations	42
Production Workers, All Other	46
Production, Planning, & Expediting Clerks	36
Proofreaders & Copy Markers	36
Property, Real Estate, & Community Association Managers	12
Protective Service Occupations	29
Protective Service Workers, All Other	29

Occupational Title	Page
Psychiatric Aides	28
Psychiatric Technicians	27
Psychiatrists	26
Psychologists, All Other	18
Psychology Teachers, Postsecondary	21
Public Address System & Other Announcers	25
Public Relations Managers	11
Public Relations Specialists	25
Pump Operators, Except Wellhead Pumpers	48
Purchasing Agents & Buyers, Farm Products	13
Purchasing Agents, Except Wholesale, Retail, & Farm Products	13
Purchasing Managers	11
R	
Radiation Therapists	26
Radio & Television Announcers	25
Radio Mechanics	40
Radiologic Technologists & Technicians	27
Rail Car Repairers	40
Rail Transportation Workers	47
Rail Transportation Workers, All Other	47
Railroad Brake, Signal, & Switch Operators	47
Railroad Conductors & Yardmasters	47
Rail-Track Laying & Maintenance Equipment Operators	39
Real Estate Brokers	34
Real Estate Sales Agents	34
Receptionists & Information Clerks	35
Recreation & Fitness Studies Teachers, Postsecondary	22
Recreation Workers	33
Recreational Therapists	26
Recreational Vehicle Service Technicians	40
Refractory Materials Repairers, Except Brickmasons	41
Refuse & Recyclable Material Collectors	48
Registered Nurses	26
Rehabilitation Counselors	19
Reinforcing Iron & Rebar Workers	38
Religious Workers	19
Religious Workers, All Other	19
Reporters & Correspondents	25
Reservation & Transportation Ticket Agents & Travel Clerks	35
Residential Advisors	33
Respiratory Therapists	26
Respiratory Therapy Technicians	27
Retail Sales Workers	34
Retail Salespersons	34
Riggers	41
Rock Splitters, Quarry	39
Rolling Machine Setters, Operators, & Tenders, Metal & Plastic	42
Roof Bolters, Mining	39
Roofers	38

Occupational Title	Page
Rotary Drill Operators, Oil & Gas	39
Roustabouts, Oil & Gas	39
S	
Sailors & Marine Oilers	47
Sales & Related Occupations	34
Sales & Related Workers, All Other	34
Sales Engineers	34
Sales Managers	11
Sales Representatives, Services	34
Sales Representatives, Services, All Other	34
Sales Representatives, Wholesale & Manufacturing	34
Sales Representatives, Wholesale & Manufacturing, Except Technical & Scientific Products	34
Sales Representatives, Wholesale & Manufacturing, Technical & Scientific Products	34
Sawing Machine Setters, Operators, & Tenders, Wood	44
Secondary School Teachers, Except Special & Vocational Education	22
Secretaries & Administrative Assistants	36
Secretaries, Except Legal, Medical, & Executive	36
Securities, Commodities, & Financial Services Sales Agents	34
Security & Fire Alarm Systems Installers	40
Security Guards	29
Self-Enrichment Education Teachers	23
Separating, Filtering, Clarifying, Precipitating, & Still Machine Setters, Operators, & Tenders	45
Septic Tank Servicers & Sewer Pipe Cleaners	39
Service Station Attendants	48
Service Unit Operators, Oil, Gas, & Mining	39
Set & Exhibit Designers	24
Sewers, Hand	44
Sewing Machine Operators	44
Shampooers	32
Sheet Metal Workers	38
Ship Engineers	47
Shipping, Receiving, & Traffic Clerks	36
Shoe & Leather Workers & Repairers	44
Shoe Machine Operators & Tenders	44
Shuttle Car Operators	48
Signal & Track Switch Repairers	41
Skin Care Specialists	32
Slaughterers & Meat Packers	42
Social & Community Service Managers	12
Social & Human Service Assistants	19
Social Science Research Assistants	18
Social Sciences Teachers, Postsecondary, All Other	21
Social Scientists & Related Workers	18
Social Scientists & Related Workers, All Other	18
Social Work Teachers, Postsecondary	22
Social Workers, All Other	19
Sociology Teachers, Postsecondary	21

Occupational Title	Page
Soil & Plant Scientists	17
Sound Engineering Technicians	25
Special Education Teachers, Middle School	22
Special Education Teachers, Preschool, Kindergarten, & Elementary	22
Special Education Teachers, Secondary School	22
Speech-Language Pathologists	26
Stationary Engineers & Boiler Operators	45
Statistical Assistants	36
Statisticians	14
Stock Clerks & Order Fillers	36
Stonemasons	38
Structural Iron & Steel Workers	38
Structural Metal Fabricators & Fitters	42
Substance Abuse & Behavioral Disorder Counselors	19
Supervisors of Installation, Maintenance, & Repair Workers	40
Supervisors, Building & Grounds Cleaning & Maintenance Workers	31
Supervisors, Construction & Extraction Workers	38
Supervisors, Farming, Fishing, & Forestry Workers	37
Supervisors, Food Preparation & Serving Workers	30
Supervisors, Office & Administrative Support Workers	35
Supervisors, Personal Care & Service Workers	32
Supervisors, Production Workers	42
Supervisors, Sales Workers	34
Supervisors, Transportation & Material Moving Workers	47
Surgeons	26
Surgical Technologists	27
Survey Researchers	18
Surveying & Mapping Technicians	16
Surveyors	15
Switchboard Operators, Including Answering Service	35
T	
Tailors, Dressmakers, & Custom Sewers	44
Tank Car, Truck, & Ship Loaders	48
Tapers	38
Tax Examiners, Collectors, & Revenue Agents	13
Tax Preparers	13
Taxi Drivers & Chauffeurs	47
Teacher Assistants	23
Teachers & Instructors, All Other	23
Team Assemblers	42
Technical Writers	25
Telecommunications Equipment Installers & Repairers, Except Line Installers	40
Telecommunications Line Installers & Repairers	41
Telemarketers	34
Telephone Operators	35
Tellers	35
Terrazzo Workers & Finishers	38
Textile Bleaching & Dyeing Machine Operators & Tenders	44
Textile Cutting Machine Setters, Operators, & Tenders	44

Occupational Title	Page
Textile Knitting & Weaving Machine Setters, Operators, & Tenders	44
Textile Winding, Twisting, & Drawing Out Machine Setters, Operators, & Tenders	44
Textile, Apparel, & Furnishings Workers	44
Textile, Apparel, & Furnishings Workers, All Other	44
Therapists, All Other	26
Tile & Marble Setters	38
Timing Device Assemblers, Adjusters, & Calibrators	42
Tire Builders	46
Tire Repairers & Changers	40
Title Examiners, Abstractors, & Searchers	20
Tool & Die Makers	43
Tool Grinders, Filers, & Sharpeners	43
Top Executives	11
Total, All Occupations	
Tour Guides & Escorts	32
Traffic Technicians	48
Training & Development Managers	11
Training & Development Specialists	13
Transit & Railroad Police	29
Transportation & Material Moving Occupations	47
Transportation Attendants, Except Flight Attendants & Baggage Porters	32
Transportation Inspectors	48
Transportation Workers, All Other	48
Transportation, Storage, & Distribution Managers	11
Transportation, Tourism, & Lodging Attendants	32
Travel Agents	34
Travel Guides	32
Tree Trimmers & Pruners	31
Truck Drivers, Heavy & Tractor-Trailer	47
Truck Drivers, Light or Delivery Services	47
U	
Umpires, Referees, & Other Sports Officials	24
Upholsterers	44
Urban & Regional Planners	18
Ushers, Lobby Attendants, & Ticket Takers	32
V	
Vehicle & Mobile Equipment Mechanics, Installers	40
Veterinarians	26
Veterinary Assistants & Laboratory Animal Caretakers	28
Veterinary Technologists & Technicians	27
Vocational Education Teachers, Middle School	22
Vocational Education Teachers, Postsecondary	22
Vocational Education Teachers, Secondary School	22

Occupational Title	Page
W	
Waiters & Waitresses	30
Watch Repairers	41
Water & Liquid Waste Treatment Plant & System Operators	45
Water Transportation Workers	47
Weighers, Measurers, Checkers, & Samplers, Recordkeeping	36
Welders, Cutters, Solderers, & Brazers	43
Welding, Soldering, & Brazing Machine Setters, Operators, & Tenders	43
Wellhead Pumpers	48
Wholesale & Retail Buyers, Except Farm Products	13
Woodworkers	44
Woodworkers, All Other	44
Woodworking Machine Setters, Operators, & Tenders, Except Sawing	44
Word Processors & Typists	36
Writers & Authors	25
Z	
Zoologists & Wildlife Biologists	17